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ABSTRACT

The missions and strategic plans of Iowa's Regent universities are structured to provide high-quality education, research, and outreach services throughout the state. Numerous partnerships and cooperative efforts have evolved to benefit the work of the universities and the needs of Iowans. This book provides an overview of some of these partnerships and cooperative efforts. These liaisons and the programs, organizations, and events they represent are referred to as "services." This is not a comprehensive list of all such services, but it is a reference tool for locating services for a particular industry, audience, or issue. The guide is organized into these sections: (1) Economic Development; (2) Education; (3) Environment; and (4) Health. A table of contents, an index, labeling by service type, identification of target audience, designation of partners, and Web site references where possible are provided. Appendix A describes the Iowa Board of Regents. (SLD)

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# REGENT UNIVERSITY

## Partnerships and Cooperative Relationships

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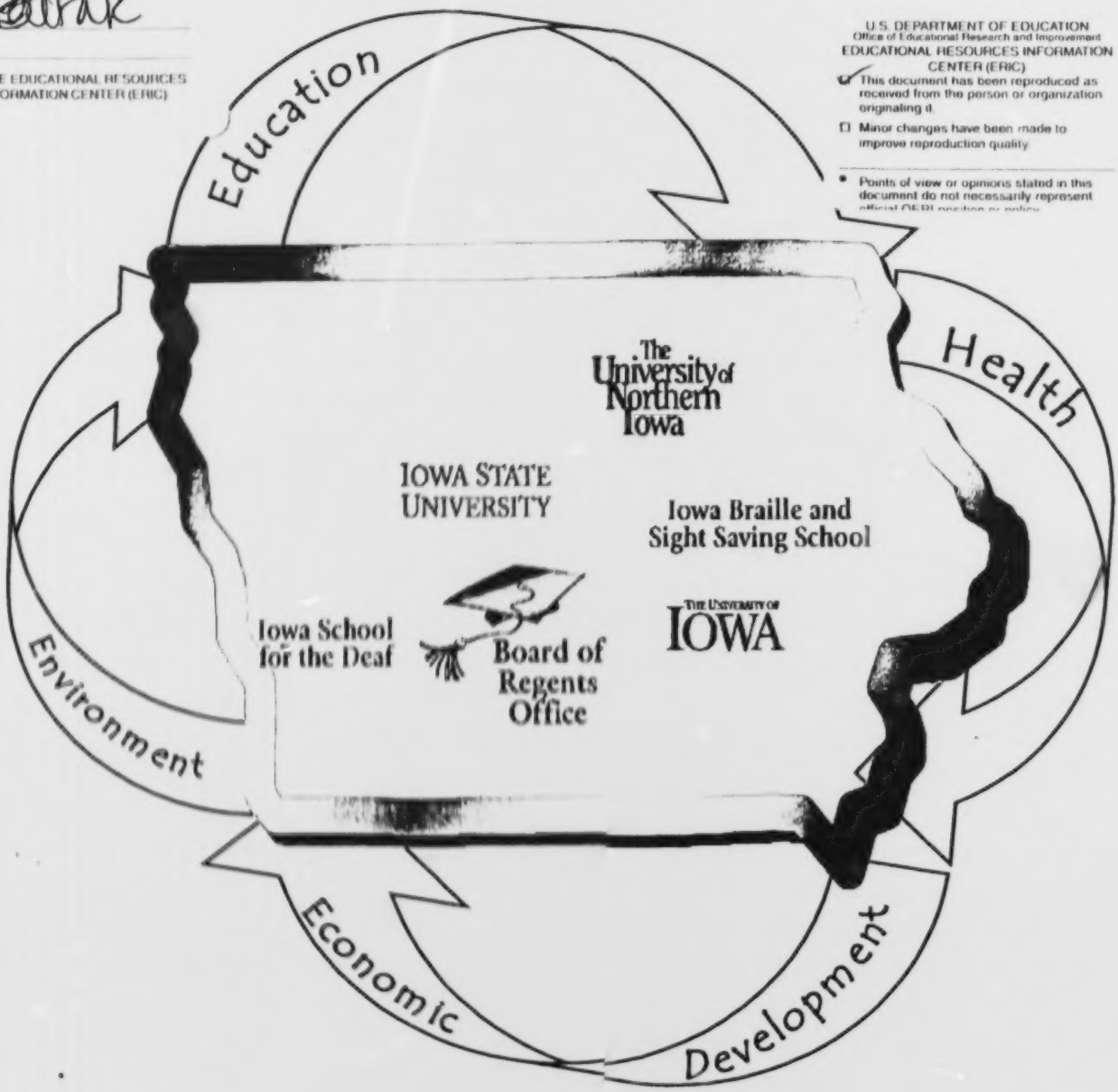


**Board of Regents, State of Iowa**

**February 2001**



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# Regent Universities

## Partnerships and Cooperative Relationships with Iowans and Others

The missions and strategic plans of Iowa's Regent universities are structured to provide high-quality education, research, and outreach services throughout the state. Numerous partnerships and cooperative efforts have evolved to benefit the work of the universities and the needs of Iowans.

This book provides an overview of some of these partnerships and cooperative efforts. We refer to these liaisons and the programs, organizations, and events they represent as "services." This is not a comprehensive or final listing of all services provided through Iowa's Regent universities; however, it should serve as a reference tool in locating services for a particular industry, audience, or issue. The partnerships and cooperative relationships foster understanding and increased collaborations which improve Iowa's economy and quality of life.

The manual is organized into four basic areas:

- Economic Development (Pages 1 to 24)
- Education (Pages 25 to 42)
- Environment (Pages 43 to 72)
- Health (Pages 73 to 84)

Included are:

- Table of contents to find a service by name.
- Index by "issue" to find services by current topic.
- Labeling of service by "type" of service provided: Basic Research, Technology Transfer, New Development, Workforce Development, or Technical Assistance & Information.
- Identification of target "audience" of a particular service.
- Designation of partners involved in funding, staffing, or promoting a service.
- Web site references, whenever possible.

Appendix A provides a summary of the Board of Regents, the governing body for the Regent universities. The summary includes the Board's background, statutory responsibilities, governance and coordination, the means by which the Board exercises governance, and identification of reports which the Board reviews annually.

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# ECONOMIC DEVELOPMENT


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## ECONOMIC DEVELOPMENT

### Center for Industrial Research and Service (CIRAS)

| | |
|---|---|
| Partners: | Iowa State University<br>Iowa Manufacturing Extension Partnership (IMEP) |
| Type: | Technical Assistance & Information |
| Audience: | Iowa manufacturing and processing firms |
| Web Site: | www.ciras.iastate.edu/ |

CIRAS partners IMEP (See separate section on IMEP) to provide Iowa manufacturing and processing firms with technical and management information to improve operational performance and make better decisions. Areas of expertise available through CIRAS include finance, marketing, engineering, and facilities planning. CIRAS responds to more than 1,000 requests from Iowa's 4,000+ core manufacturers each year.

### Division of Pharmaceutical Services – College of Pharmacy

| | |
|---|---|
| Partners: | University of Iowa<br>Over 65 client organizations |
| Type: | Basic research and technical assistance and development (Economic Development) |
| Audience: | Client organizations |
| Web Site: | http://www.uiowa.edu/~pharmser/ |

This is an FDA-registered pharmaceutical manufacturing facility. It manufactures, under contract, clinical supplies of most types of pharmaceutical dosage forms for clinical testing. The division is also DEA and can manufacture dosage forms containing schedule I-V activities.

### Center for Transportation Research and Education (CTRE)

| | |
|---|---|
| Partners: | Iowa State University<br>Iowa Department of Transportation (IDOT)<br>Federal Highway Administration (FHA)<br>University of Missouri-Columbia (UMC)<br>Iowa Concrete Paving Association (ICPA)<br>Iowa Governor's Traffic Safety Bureau (IGTSB)<br>Private Sector |
| Type: | New Development |
| Audience: | |
| Web Site: | www.ctre.iastate.edu |

CTRE develops and implements innovative methods, materials, and technologies for improving transportation efficiency, safety, and reliability. The IDOT, FHA, UMC, ICPA, IGTSB, and the private sector sponsor the CTRE and its programs.

CTRE PROGRAMS:

1. Local Technical Assistance Program (LTAP)
   Partners: Iowa State University
   Iowa Department of Transportation
   FHA
   Type:
   Audience: Local officials
   Web Site: www.ctre.iastate.edu/ltap

   LTAP provides technical and management assistance to local officials regarding the growing demands on local roads, streets, bridges, and public transportation. IDOT and FHA sponsors LTAP.

2. Midwest Transportation Consortium (MTC)
   Partners: Iowa State University
   UMC's Transportation Infrastructure Center
   University of Northern Iowa – Cedar Falls, IA
   University of Missouri – Kansas City, MO
   University of Missouri – St. Louis, MO
   Lincoln University – Jefferson, MO
   Type:
   Audience: Federal Region 7 (Iowa, Kansas, Missouri, Nebraska)
   Web Site: www.ctre.iastate.edu/mtc

   MTC is the University Transportation Center Program for federal region 7, which includes Iowa, Kansas, Missouri, and Nebraska. ISU is the MTC's lead institution. ISU partners with the UMC through UMC's Transportation Infrastructure Center.

3. Center for Portland Cement Concrete Pavement Technology (CPCCPT)
   Partners: Iowa State University's Civil and Construction Engineering Dept.
   ICPA
   IDOT
   CTRE
   Type: New Development
   Audience:
   Web Site: www.ctre.iastate.edu

   CPCCPT was formed in the spring of 1999 through a private, public, and university sector partnership formed by ICPA, IDOT, CTRE, and Iowa State University's Civil and Construction Engineering Department. CPCCPT advances state-of-the-art pavement technology in order to produce a durable, cost-effective, sustainable product.

4. Iowa Traffic Safety Data Service (ITSDS)
   Partners:
   Type: Technical Assistance & Information
   Audience:
   Web Site: www.ctre.iastate.edu/itsds
   History: Funded by the IGTSB

   ITSDS provides timely access to analyses and reports from many safety and geographic information systems tools developed by the IDOT and CTRE in recent years.

## Centers for Entrepreneurship (JPEC)

| | |
|---|---|
| Partners: | John Pappajohn<br>University of Iowa<br>Iowa State University<br>University of Northern Iowa<br>Government agencies |
| Type: | New Development |
| Audience: | University resources<br>Government agencies<br>Individuals |
| Web Sites: | Iowa - John Pappajohn Entrepreneurial Center (JPEC)<br>www.biz.uiowa.edu/entrep/index1.html<br><br>Iowa State - Pappajohn Center for Entrepreneurship (PCE)<br>www.isupjcenter.org<br><br>University of Northern Iowa –<br>John Pappajohn Entrepreneurial Center (JPEC)<br>http://www.cba.uni.edu/jpec |

The Pappajohn Centers are "virtual" resource centers that coordinate existing university resources, government agencies, and individuals to promote and foster the development of entrepreneurship. They provide entrepreneurial training, management team development, intellectual property management, market research and analysis, sales and distribution development, financial planning and management, as well as strategic planning.

## Colleges of Engineering

| | | |
|---|---|---|
| Partners: | University of Iowa and Iowa State University<br>U.S. Department of Energy – Ames Laboratory | |
| Type: | | |
| Audience: | Numerous | |
| Web Sites: | Iowa: | www.engineering.uiowa.edu/ |
| | Iowa State: | www.eng.iastate.edu/ |

Iowa State University and the University of Iowa have served the state of Iowa as centers of top-flight engineering education and innovative applied research for more than a century. More than 40,000 engineers have earned their degrees at the two schools. Numerous business, industry, professional, educational, corporate, and community ties are listed on the web sites.

Iowa businesses, industry, utilities, health care providers, and community leaders have positioned themselves at the interface between ideas on campus and the problems of the world. Through partnerships with Iowa communities and businesses, the ideas researched, designed, and tested on campus are constantly being turned into reality.

Joint ventures include: Co-ops and Internships, Iowa companies helping to train and employ Iowa engineering students; Technology Transfer, Iowa engineering faculty members and students developing new ideas that can be applied by Iowa companies to real-world problems; and Entrepreneurial Centers, university engineers helping to establish technology-based companies. During the last five years, the colleges have conducted research with more than 350 Iowa companies.

The colleges have established a global reputation for their research centers which include: the Iowa Institute of Hydraulic Research, the Iowa Center for Emerging Manufacturing Technology, the Center for Computer-Aided Design, the Center for Nondestructive Evaluation, the Federal Aviation Administration Air Worthiness Assurance Center, Center for Advanced Technology Development, the Iowa Spine Research Center, and the Analog and Mixed Signal VLSI Design Center.

### Community Outreach Partnership Center (COPC)

| | |
|---|---|
| Partners: | Iowa State University (ISU)<br>City of Des Moines (CDM)<br>Des Moines Enterprise Community (DMEC)<br>Housing and Urban Development (HUD) |
| Type: | Technical Assistance & Information |
| Audience: | Area leaders |
| Web Site: | |

COPC is a collaborative effort of ISU, CDM, DMEC, and HUD to foster a Des Moines neighborhood revitalization program focusing on community empowerment and planning, affordable housing, and neighborhood revitalization. The program also helps area leaders develop action plans to bring retail outlets to the community.

### Engineering Design and Prototyping Center (EDPC)

| | |
|---|---|
| Partners: | University of Iowa<br>Iowa Computer Aided Engineering Network (ICAEN)<br>NASA<br>Johnson and Johnson<br>U.S. Department of Defense<br>Various Governmental Agencies<br>John Deere<br>Caterpillar |
| Type: | Basic Research |
| Audience: | Qualified specialty vendors |
| Web Site: | www.engineering.uiowa.edu/edpc/ |

EDPC serves the University of Iowa by providing the necessary technology and experience to develop, design, and/or manufacture prototype models and research equipment. EDPC also provide design consultation, specimen preparation, and rapid prototyping services.

EDPC works jointly with ICAEN to provide computer system administration and network support for the students, faculty, and staff at the College of Engineering, as well as the Engineering Electronics Shop, various University service centers, and qualified specialty vendors to produce custom apparatus with programmable automation and data collection capability.

### Entrepreneurs With Disabilities Program (EWDP)

| | |
|---|---|
| Partners: | University of Iowa<br>Iowa Department of Education, Vocational Rehabilitation Svcs.<br>Iowa Department for the Blind |
| Type: | Technical Assistance & Information |
| Audience: | Individuals with disabilities |
| Web Site: | |
| History: | Funded through a contract with the Iowa Department of Education, Division of Vocational Rehabilitation Services. |

EWDI helps qualified individuals with disabilities establish, acquire, maintain or expand a small business by providing technical and financial assistance.

### Research Marketing and Corporate Relations

| | |
|---|---|
| Partners: | The University of Iowa<br>Other Regent Institutions; Corporations both within and outside Iowa; IDED, Iowa Biotech Association, Iowa Business Council, Human Resource Recruitment Consortium; Local and Regional Economic Development Groups |
| Type: | Economic Development |
| Audience: | Faculty, staff, academic centers, UI Foundation, Industry |
| Web Site: | http://www.uiowa.edu/~vpr/rmcr |

The Office of Research Marketing and Corporate Relations acts primarily as a research-related university-corporate interface for the University of Iowa. Its broad mission is to enhance research funding and technology transfer.

### Public Policy Center

| | |
|---|---|
| Partners: | University of Iowa<br>Iowa Research Council<br>Iowa Business Council<br>Iowa Department of Economic Development<br>Iowa Department of Transportation |
| Type: | Applied research and technical assistance (Economic Development) |
| Audience: | Iowa businesses and state and local public officials |
| Web Site: | www.uiowa.edu/~ppc |

The Public Policy Center works closely with various public and private sector organizations to explore practical means for increasing the state's economic competitiveness. For example, the Center prepared the state's economic development strategic plan, developed a tax impact computer model for the Iowa DED, and designed the RISE program for economic development-related investments for the Iowa DOT.

### Human Resource Recruitment Consortium (HRRC)

| | |
|---|---|
| Partners: | Educational Institutions<br>Iowa Department of Economic Development (IDED)<br>Iowa Workforce Development (IWD)<br>Iowa Businesses and Communities<br>Professional Associations |
| Type: | Technical Assistance & Information |
| Audience: | Progressive, innovative businesses |
| Web Site: | www.smartcareermove.com |

HRRC is a public-private partnership created to meet Iowa's growing need for highly skilled employees by attracting qualified, skilled workers to Iowa by raising the awareness of the progressive, innovative businesses that are creating quality career opportunities.

Efforts are made to reach as many qualified individuals as possible in information technology, engineering, manufacturing, research/scientific, financial/insurance, and professional/managerial career fields. The SmartCareerMove web site also provides links to corporate, community, and state web sites that post jobs statewide in all career fields.

### Institute for Decision Making (IDM)

| | |
|---|---|
| Partners: | University of Northern Iowa<br>Economic development providers |
| Type: | Technical Assistance & Information |
| Audience: | Community policymakers |
| Web Site: | http://www.bcs.uni.edu/IDM/index.html |

IDM guides the citizens of Iowa with community improvement decisions. Assistance is focused on building ongoing relationships with community clients to assist in project planning and implementation, including: strategic and short-term planning, target industry analysis, applied research, computer software applications for economic development, proactive marketing strategies, and labor-shed studies.

IDM staff members are experienced economic developers previously involved in community level development efforts and work in coordination with other economic development providers in the state.

### Institute for Economic Research (IER)

| | |
|---|---|
| Partners: | University of Iowa<br>Iowa Economic Forecasting Council<br>Pioneer Hi-Bred |
| Type: | Technical Assistance & Information |
| Audience: | Government<br>Industry |
| Web Site: | www.biz.uiowa.edu/econ/econinst |

IER facilitates cohesive and continuing economic research and establishes formal mechanisms for providing interaction with and economic research services to government and industry. IER produces a quarterly forecast of economic conditions in the State of Iowa.

## Institute for Physical Research and Technology (IPRT)

Partners: Iowa State University
State of Iowa
Federal Government
Private Corporations
Web Site: www.iprt.iastate.edu

IPRT is a consortium of basic and applied research and information centers that partner with and link to various university community and external constituencies through outreach and educational programs.

OUTREACH PROGRAMS:

1. Iowa Companies Assistance Program (ICAP)
   Audience: Iowa companies
   Web Site: www.iprt.iastate.edu/icap.html

   ICAP helps Iowa companies solve materials-related questions and problems. The program is funded by the state of Iowa to promote interaction between the Iowa industrial community and the technical resources available at Iowa State University.

2. Iowa Demonstration Laboratory (IDL)
   Audience: Iowa businesses
   Web Site: www.cnde.iastate.edu/idl

   IDL assists Iowa businesses with nondestructive evaluation techniques and training.

3. Iowa Industrial Incentive Program (IIIP)
   Audience: Iowa businesses
   IIIP provides funding to help Iowa businesses use ISU's research and technical capabilities.

IPRT CENTERS:

1. Ames Laboratory of the U.S. Department of Energy (Ames Lab)
   Partners:
   Type:
   Web Site: www.external.ameslab.gov

   The Ames Lab conducts fundamental research in energy, materials, and chemical sciences. The Lab seeks solutions to energy-related problems through the exploration of physics, chemistry, engineering, applied mathematics and materials sciences.

2. Center for Advanced Technology Development (CATD)
   Partners: U.S. Department of Agriculture
   U.S. Department of Commerce
   U.S. Department of Defense
   U.S. Department of Education
   U.S. Department of Energy
   U.S. Department of Health and Human Services
   U.S. Department of Transportation
   Environmental Protection Agency
   National Aeronautics and Space Administration
   National Science Foundation
   Type:
   Audience: Companies worldwide
   Small businesses
   Web Site: www.catd.iastate.edu

   CATD assists in technology transfer and industrial problem solving. CATD also works with companies worldwide to develop and commercialize new technologies.
   a. Small Business Innovation Research Program (SBIR)
   b. Small Business Technology Transfer Program (STTR)
   The SBIR and STTR programs are federal funding sources that provide qualified small businesses with opportunities to propose innovative research and development projects that meet specific federal needs.

3. Center for Nondestructive Evaluation (CNDE)
   Partners: Iowa State University
   Northwestern University
   AlliedSignal
   General Electric
   Pratt & Whitney
   Type: Basic Research
   Audience:
   Web Site: www.cnde.iastate.edu

   CNDE is a National Science Foundation Industry/University Cooperative Research Center that develops noninvasive methods and instruments for assessing the integrity of structures and materials.

CNDE PROGRAMS:

1. Airworthiness Assurance Center of Excellence (AACE)
   Partners: Iowa State University
   Ohio State University
   Federal Aviation Administration
   Type New Development
   Audience:
   Web Site: www.aar.tc.faa.gov/aace/intro
   AACE is the focal point for the Federal Aviation Administration's (FAA) research and development efforts to enhance aircraft safety.

2. Center for Aviation Systems Reliability (CASR)
   - Partners: Iowa State University, Northwestern University, Wayne State University, Tuskegee University, Allied Signal, General Electric, Pratt & Whitney
   - Type: New Development
   - Audience: FAA, Airlines, Manufacturers
   - Web Site: www.cnde.iastate.edu/casr

   CASR provides quantitative NDE techniques, procedures, and prototypes to assure the airworthiness and reliability of aviation systems. CASR also provides comprehensive education and training tools for the FAA, airlines, and manufacturers on aviation specific NDE.

3. National Science Foundation (NSF)–Industry/University Cooperative Research Program (NSF–I/UCRP)
   - Partners: Iowa State University, Too numerous to list
   - Type: New Development
   - Web Site: www.cnde.iastate.edu/nsf_iu

   National Science Foundation (NSF)–I/UCRP nondestructive evaluation involves the use of diagnostic techniques to determine the integrity of a structure, component or material, without destroying the usefulness of the item. The I/U emphasis is in the fields of aviation, transportation, energy, and manufacturing.

4. Engine Titanium Consortium (ETC)
   - Partners: Iowa State University, Pratt & Whitney, General Electric, Allied Signal
   - Type: New Development
   - Web Site: www.cnde.iastate.edu/etc

   ETC provides reliable, cost-effective methods for the inspection of engine materials, components, and hardware.

5. Iowa Demonstration Laboratory for NDE Applications (IDL)
   Partners: Iowa State University
   NIST
   Iowa Center for Emerging Technology (ICEMT)
   Center for Industrial Research and Services (CIRAS)
   Web Site: www.cnde.iastate.edu/idl/

   IDL promotes use of NDE technologies to the Iowa engineering, agribusiness and manufacturing communities.

6. NSF–North Central Collaboration for Education in NDE/NDT (NSF–NCCE)
   Partners: Iowa State University
   Cowley County Community College, Arkansas City, KS
   Ridgewater College, Willmar/Hutchinson Campuses, MN
   Northeast Iowa Community College, Peosta, IA
   Southeast Community College, Milford, NE
   Audience: NDE technicians

   NSF–NCCE improves the overall quality of NDE technician education and increases awareness of NDE as a career option.

7. NASA – Integrating Nondestructive Evaluation (NASA–INE)
   Partners: Iowa State University
   NASA
   Type: Technology
   Audience: Students
   Web Site: www.cnde.iastate.edu/cnde/science/

   NASA–INE uses NDE technology to help students have a broader understanding of the relationship of science principles to reality by providing a missing link between scientific theory and real world application.

8. Center for Physical and Computational Mathematics (CPCM)
   Web Site: www.iprt.iastate.edu/cpcm

   CPCM researches high-performance computing via cluster-computing and parallel-computing strategies.

9. Center for Rare Earths and Magnetics (CREM)
   Web Site: www.external.ameslab.gov/ric

   CREM provides information on rare earths and studies magnetic material properties.

10. Center for Sustainable Environmental Technologies (CSET)
    Web Site: www.csetweb.ameslab.gov

    CSET develops and demonstrates renewable energy and chemical technologies and environmental technologies related to fossil fuels.

11. Materials Preparation Center (MPC)
    Partners: Ablation Technologies, San Diego, CA
    Web Site: www.mpc.ameslab.gov

    MPC prepares specialized high-purity metal compounds for research and engineering uses. Scientists at MPC have been working with Ablation Technologies, San Diego, CA, to develop a technique to treat prostate cancer.

12. Microanalytical Instrumentation Center (MIC)

    MIC develops innovative, small-scale analytical and bioanalytical instruments for emerging analyses.

13. Microelectronics Research Center (MRC)
    Web Site: www.mrc.iastate.edu

    MRC develops and characterizes advanced semiconductor material devices and processing technology.

14. Virtual Reality Applications Center (VRAC)
    (formerly known as the Iowa Center for Emerging Manufacturing Technology (ICEMT).
    Web Site: www.vrac.iastate.edu

    VRAC applies virtual reality technology to the challenges of science and engineering.

**Iowa 2010**

| | |
|---|---|
| Partners: | Regent Universities and Board of Regents Office<br>State of Iowa Legislature and Agencies<br>Strategic Planning Council<br>Citizens of Iowa<br>University Presidents from the Regent institutions |
| Type: | New Development |
| Web Site: | www.iowa2010.com |

The Iowa 2010 Council is composed of 37 Iowans from around the state including University Presidents from the Regent institutions. The Council will create a vision of what kind of place Iowa will be in the year 2010 and create a statewide strategic plan to move Iowa from where we are now to that vision by the year 2010.

**Iowa Educational Technology Training Institute (IETTI)**

| | |
|---|---|
| Partners: | University of Northern Iowa<br>State Department of Education<br>Area Education Agencies<br>Public and Private Institutions of Higher Education<br>School Districts<br>Individual Educators<br>Education Associations<br>Consultants<br>Information Technology Companies<br>Iowa Communications Network<br>Regional Telecommunication Councils |
| Type: | Technical Assistance & Information |
| Audience: | Educators |
| Web Site: | www.uni.edu/ietti/ |
| History: | The Iowa Legislature appropriated $250,000 for 1995-96 to the University of Northern Iowa to take the leadership role in planning, coordinating, delivering and evaluating educational technology training. |

Using a partnership approach, the IETTI was established at the University of Northern Iowa to provide this leadership in technology. Members of the partnership team had varying degrees of commitment and responsibility for educational technology training. This important program continues today through the sole financial support of the University of Northern Iowa.

IETTI ensures that every educator has the opportunity to become competent in the use of educational technology. Educators will be able to integrate technology into their teaching, their administrative duties, and into the learning of their students. Educators, like all learners, will need to take responsibility for their learning to succeed.

**Iowa Energy Center**

| | |
|---|---|
| Partners: | All Iowa colleges and universities<br>Iowa private non-profit organizations and foundations |
| Type: | Basic Research, Technology Transfer, New Development, Technical Assistance and Information |
| Audience: | Energy policy makers; individuals/organizations in positions to act to improve Iowa's performance in terms of energy efficiency and adoption of renewable energy and alternative fuels; educators; researchers; private citizens; business and industry |
| Web Site: | www.energy.iastate.edu |

The Center provides grants for research, demonstration, and information transfer in the areas of energy efficiency and renewable energy. The Center also provides some outreach services (within constraints of limited staffing) including information referral. The Center administers a low-interest loan program to encourage development of alternate energy production facilities in Iowa.

Partners are eligible to receive funding through competitive grant solicitations issued by the Iowa Energy Center. Eligible Grantees may partner with any organization, including for-profits, and organizations outside of Iowa.

**Iowa Entrepreneurial Consortium (IEC)**

| | |
|---|---|
| Partners: | University of Iowa<br>Community Colleges |
| Type: | |
| Audience: | Small-sized manufacturers<br>Medium –sized manufacturers |
| Web Site: | |

The IEC is a collaborative effort to offer entrepreneurial education to Iowans across the state. Formed in the fall of 1997, the consortium is comprised of the University of Iowa and the state's 15 community colleges. The institutions offer two different FastTrac training programs: FastTrac 1 for aspiring entrepreneurs to evaluate a new business concept; and FastTrac 2 for existing small business owners to improve and grow a small business. The ICN is utilized through the consortium to increase the quality and consistency of the programs. For FY 1999, 295 aspiring entrepreneurs evaluated new business opportunities through FastTrac 1 and nearly 91 existing small business owners participated in FastTrac 2. Increased enrollments are expected.

### Iowa Institute of Hydraulic Research (IIHR)

| | |
|---|---|
| Partners: | University of Iowa<br>Numerous Federal Government Agencies<br>Numerous State and Local Governments and Universities<br>Numerous Non-Governmental Organizations |
| Type: | Basic Research |
| Audience: | Students |
| Web Site: | www.iihr.uiowa.edu |

IIHR educates students and conducts research in hydraulics and fluid mechanics. IIHR's training and hands-on engineering practice attracts students with a rich variety of interests from around the world. Collaborative research activities funded through agreements and contracts with a variety of private organizations and governmental agencies extend well beyond the Midwest into the international domain.

### Iowa Manufacturing Extension Partnership (IMEP)

| | |
|---|---|
| Partners: | Iowa State University<br>Des Moines Area Community College (DMACC)<br>Iowa Association of Business and Industry<br>Iowa State University (ISU)<br>Center for Industrial Research and Science (CIRAS)<br>Center for Advanced Technology Development (CATD)<br>Institute for Physical Research & Technology (IPRT)<br>Small Business Development Center (SBDC)<br>College of Engineering<br>College of Business<br>National Institute of Standards and Technology (NIST)<br>Manufacturing Extension Partnership (MEP)<br>Iowa's Community Colleges<br>Iowa Energy Center<br>University of Northern Iowa<br>Graphic Arts Technology Center of Iowa - EICCD<br>Iowa Department of Economic Development |
| Type: | Technical Assistance & Information |
| Audience: | Small- and mid-sized manufacturers |
| Web Site: | www.imep.org |

IMEP is a statewide partnership that provides technical and business assistance to small- and mid-sized manufacturers. Account Managers throughout the state meet with clients to answer questions, identify areas for improvement, and provide links to resources that companies can use to increase their productivity and competitiveness.

### Iowa Procurement Outreach Center (IPOC)

| | |
|---|---|
| Partners: | Iowa State University |
| | Best Manufacturing Practices |
| | Pollution Prevention Regional Information Center (University of Nebraska at Omaha) |
| | U.S. Department of Defense Modeling and Simulation Office |
| | Small Business Administration |
| | Iowa Department of Economic Development |
| Type: | Technical Assistance & Information |
| Audience: | Iowa businesses |
| | Military markets |
| Web Site: | www.ciras.iastate.edu/ipoc/ |

IPOC collaborates with various universities, governments and private corporations to provide marketing and technical assistance to Iowa businesses through proactive outreach. Outreach is targeted at Iowa firms that want to provide goods and services to the federal government. IPOC is especially focused on military markets.

### Iowa Space Grant Consortium (ISGC)

| | |
|---|---|
| Partners: | University of Iowa |
| | Iowa State University |
| | University of Northern Iowa |
| | Drake University |
| Type: | Basic Research |
| Audience: | Iowa industry |
| | National industry |
| Web Site: | |

Regents and Drake University students and faculty work together on science, mathematics, and technological projects that utilize the combined strengths of each university. The ISGC conducts cooperative research for both Iowa and national industry.

### Iowa Training Opportunities Program (ITOP)

| | |
|---|---|
| Partners: | University of Northern Iowa |
| | U.S. Department of Labor |
| Type: | Workforce Development |
| Audience: | 400 employed workers |
| Web Site: | www.uni.edu/itop/ |

ITOP is funded for a period of 18 months by the U.S. Department of Labor and managed through University of Northern Iowa. ITOP's main objective is to upgrade the skills of over 400 employed workers within the state of Iowa through short-term highly focused (4-6 day) training sessions. By successfully completing this training the employees of Iowa will strengthen their future opportunities in professional/salary growth and enhance the competitive position of their employers.

## Iowa Waste Reduction Center (IWRC)

Partners: University of Northern Iowa
Small Business Trade Associations
Iowa Department of Natural Resources
Community Colleges
Councils of Government
Solid Waste Agencies
State and Federal Agencies

Type:
Audience: Small businesses
Web Site: www.iwrc.org
History: Funding is derived from fees collected by landfills.
Statute: §268.4, Code of Iowa

IWRC serves small businesses in Iowa by providing free, non-regulatory and confidential on-site environmental assistance. Staff has conducted over 1,800 multi-media on-site reviews in all 99 Iowa counties.

1. Small Business Pollution Prevention Center
   Partners: Small Business Trade Associations
   Iowa Department of Natural Resources
   Community Colleges
   Councils of Government
   Solid Waste Agencies

   Type:
   Audience:

   Through initiatives and programs like facility-wide on-site assistance and the, IWRC works one-on-one with clients to explore possible solutions for minimizing waste and increasing overall efficiency. The Mobile Outreach for Pollution Prevention effort reaches all areas of Iowa by conducting county-level tours in a section of Iowa each year providing free and confidential compliance and pollution prevention assistance to Iowa businesses.

2. Applied Research Facility
   Partners: Community Colleges
   State & Federal Agencies

   Type:
   Audience: Vocational-technical teachers
   Vocational-technical students
   Field technicians

   IWRC develops new technologies and ideas that reduce hazardous waste streams and improve the health of the work environment. Through synergies with community colleges and other state and federal agencies, IWRC provides curricula and training to vocational-technical teachers and students as well as to field technicians.

3. Spray Technique Analysis Research (STAR)

| | |
|---|---|
| Partners: | University of Northern Iowa |
| | Community Colleges |
| Type: | Technology Transfer |
| Audience: | Vocational-technical teachers |
| | Vocational-technical students |
| | Field technicians |

The STAR program of the IWRC along with three community colleges: provide training for spray-painting technicians on the Laser Touch paint applicator. This system focuses on optimizing painting techniques for cost and environmental efficiency.

4. Referral Assistance and Information Network (RAIN)

| | |
|---|---|
| Partners: | University of Northern Iowa |
| Type: | Technology Transfer |
| Audience: | Business community |
| | Trade associations |
| | Economic Development groups |
| Web Site: | www.iwrc.org.rain |

The IWRC has developed an online information resource that will allow Iowa businesses to access the appropriate business assistance provider. By entering basic demographic information and location, along with a description of the assistance needed, a user of the network would receive a list of assistance providers who best suit their needs.

## Metal Casting Center (MCC)

| | |
|---|---|
| Partners: | University of Northern Iowa |
| | American Metalcasting Consortium (AMC) |
| Type: | Technology Transfer |
| Audience: | Small – medium sized foundries |
| Web Site: | www.uni.edu/metalcst |

MCC seeks to improve the productivity and competitiveness of the metal casting industry through technology transfer, applied research, and assistance to business. New technology in metal testing equipment is being used in both classroom experiences and industrial-sponsored projects. Support operations such as a computer lab for 3D and solidification modeling are also utilized.

AMC is a group of six technical organizations representing thousands of small to medium sized foundries. AMC offers casting design workshops to provide training in casting design principles for use in converting fabricated and forged product components.

### Midwest PROfiles

Partners: Iowa State University
Type: Technical Assistance & Information
Audience:
Web Site: www.profiles.iastate.edu/

Midwest PROfiles provides Census data and community development information on employment, income, economics, demographics, and other characteristics for nine states in the Midwest. This site is an outreach presentation of the Iowa State University Department of Economics.

### National Advanced Driving Simulator & Simulation Center (NADS)

Partners: University of Iowa
National Highway Traffic Safety Administration (NHTSA)
U.S. Army Tank-Automotive and Armaments Command (TACOM)
John Deere
National Science Foundation (NSF)
Industry/University Cooperative Research Center (I/UCRC)
U.S. Government
Type: Basic Research
Audience:
Web Site: www.nads-sc.uiowa.edu/
History: Funding provided by TACOM & John Deere.

NADS is committed to a vigorous program of experimenting, testing, exercising, and evaluating new concepts and operational systems for on- and off-road applications.

NADS received two contracts from TACOM with a total value of $1.72 million. The first, a two-year $720,000 project, will enable TACOM's motion simulators to conduct real-time simulations of tanks and other vehicles through network integration with the NADS. The second, a three-year, $1 million project, involves the development of a virtual proving ground for vehicles and heavy equipment. John Deere, through the NSF IUCRC at the University of Iowa, also provides financial support concurrent with TACOM's funding for development of simulation technologies.

### National Program for Playground Safety (NPPS)

Partners: University of Northern Iowa
Centers for Disease Control and Prevention (CDC)
3M Nexcare First Aid Products
Hamilton County Parks District, Cincinnati, OH
Type: Technical Assistance & Information
Audience:
Web Site: www.uni.edu/playground

NPPS, established in 1995 at the University of Northern Iowa through a grant from the CDC, is a non-profit organization dedicated to raising awareness about playground safety issues and conducting research about playground injuries.

### Office of Intellectual Property & Technology Transfer (OIPTT)

| | |
|---|---|
| Partners: | Iowa State University<br>Research Foundation |
| Type: | Technical Assistance & Information |
| Audience: | Iowa State University faculty<br>Iowa State University staff<br>Iowa State University students |
| Web Site: | www.public.iastate.edu:80 |

OIPTT works with the Research Foundation and solicits inventions from ISU's faculty, staff, and students to facilitate the technology transfer and licensing process. OIPTT markets ISU technologies to industry, seeks patent protection where appropriate, and provides educational services related to intellectual property issues to faculty, staff, and students.

### Orava

| | |
|---|---|
| Partners: | University of Northern Iowa<br>Comenius University<br>Orava Regional Education Administration<br>American International School of Vienna<br>Follett Software Company<br>Open Society Fund/George Soros<br>Siemans Company<br>U Sovy, Slovakia<br>University Book and Supply, Cedar Falls, IA<br>United States Agency for International Development (USAID)<br>United States Information Agency (USIA)<br>Iowa International Development Foundation (IIDF)<br>Soros Foundation, Slovakia |
| Type: | New Development |
| Audience: | Slovaks<br>Teacher Preparation Programs |
| Web Site: | www.uni.edu/coe/orava |
| History: | The project began prior to 1994 with funds provided by the IIDF. USAID provided funding for five years (1994-1999). Supporting funds have been provided by USIA and the Soros Foundation-Slovakia. |

The Orava project is designed to assist the Slovaks with restructuring their educational system to reflect their commitment to new democratic processes and to prepare new "citizens" for participation in them subsequent to the split between the Czechs and the Slovaks.

Orava is designed to restructure Slovak basic schools and renew the teacher preparation programs. The project intends to bring to the Slovak educational system methods of teaching that will foster an "ethic of democracy." The Orava Project has three offices in Slovakia and one at the University of Northern Iowa. The main project office is located in Bratislava, with offices in Nitra and Dolný Kubín as well.

### Professional Development Program for Elementary and Middle School Science Teachers in Chile

| | |
|---|---|
| Partners: | University of Northern Iowa<br>Chilean Ministry of Education |
| Type: | |
| Audience: | Chilean elementary and middle school teachers |
| Web Site: | www.uni.edu/coe/chileanproject |

This program, funded by the Chilean Ministry of Education, began in 1998 with the purpose of enhancing the capabilities of Chilean elementary and middle school teachers to develop and implement science education curricula and pedagogy based upon the principles of constructivist education.

### Reading and Writing for Critical Thinking Project (RWCT)

| | |
|---|---|
| Partners: | University of Northern Iowa<br>Open Society Institute (OSI)<br>International Reading Association<br>20 National Soros Foundations<br>College of William and Mary |
| Type: | Technology Transfer |
| Audience: | Teachers<br>Teacher Educators |
| Web Site: | www.uni.edu/coe/rwct/project/index1.html |

RWCT introduces research-based, instructional methods to teachers and teacher educators. These methods are designed to help students think reflectively, take ownership for their personal learning, understand the logic of arguments, listen attentively, debate confidently and become independent, life-long learners. The program can be used in all grades and subjects with existing curricula.

RWCT is an initiative of the Open Society Institute (OSI), which promotes worldwide educational, social and legal reform, and the International Reading Association, a non-governmental organization of professional educators. These groups work in close collaboration with the 20 National Soros Foundations in participating countries. Faculty from the University of Northern Iowa and the College of William and Mary provide leadership and direction.

## Research Parks

### University of Iowa – Oakdale Research Park (ORP)

Partners: University of Iowa Units
- Oakdale Medical Research (College of Medicine)
- Center for Biocatalysis and Bioprocessing
- National Advanced Driving Simulator (NADS)
- Center for Advanced Drug Development
- Technology Innovation Center (business incubator)

Government Entities
- City of Coralville
- State of Iowa
- Iowa Department of Economic Development
- U.S. Dept. of Transportation (NADS project)

Private Sector
- Technology companies
- Developers
- Utility providers
- Iowa City Area Development Group
- Priority One
- Corridor Committee

Type: Technology Transfer

Audience: Small or medium-sized companies engaged in research and development or R&D units of larger companies

Web Site: www.uiowa.edu/~vpr/transfer/sites.htm

ORP offers leased building sites and space to corporations engaged in research and development and related production and marketing activities.

### University of Iowa Research Foundation (UIRF)

Partners: University of Iowa and its employees
Private Corporations

Type: Technology Transfer

Audience : The UIRF serves the UI, its employees and the private sector

Web Site: http://www.uiowa.edu/~vpr/techtran/patent.htm

The UIRF is a not-for-profit corporation closely affiliated with the University of Iowa. It manages inventions made by University employees and licenses such inventions to the private sector. During FY 2000, UIRF received 84 invention disclosures, filed 83 U.S. patent applications, reported a record high 37 issued patents, executed a record high 27 license and option agreements, and earned a record high $5,067,469 in royalty/license fee income

### ISU Research Park Corporation

| | |
|---|---|
| Partners: | Established Technology Firms |
| Type: | Technical Assistance & Information |
| Audience: | New businesses |
| Web Site: | www.isupark.org |

The ISU Research Park Corporation is a not-for-profit, independent corporation. The corporation manages both the ISU Research Park and the Iowa State Innovation System (ISIS).

### Small Business Compliance Alliance (SBCA)

| | |
|---|---|
| Partners: | Iowa State University<br>Small Business Development Center<br>IWRC<br>Nevada and Texas |
| Type: | Technical Assistance & Information |
| Audience: | |
| Web Site: | |

The SBCA is designed to show increased cooperation and interaction between small business assistance programs.

### Small Business Development Center (SBDC)

| | |
|---|---|
| Partners: | U.S. Small Business Administration<br>University of Iowa<br>Iowa State University<br>University of Northern Iowa |
| Type: | Technical Assistance & Information |
| Audience: | Business owners in the state |
| Web Site: | www.iabusnet.org/sbdc |
| Statute: | Agreement No. 0-7620-0016-19 |

The Small Business Development Center consists of 17 centers covering ninety-nine counties in Iowa. These Centers have served for over 18 years as the resource, the mentor and the solution for thousands of business owners in the state. Each of these SBDC offices subcontracts with other universities, community colleges, chambers of commerce and other institutions to provide a network of over 700 full service assistance centers to the small business community.

The SBDC conducts research, counsels, and trains business people in management, financing, and operating small businesses, and provides comprehensive information services and access to experts in a variety of fields. Each SBDC encourages unique local efforts, region to region, state to state, and community to community to meet small business needs in its area.

SBDC offices develop and maintain partnerships among community organizations and local, state and federal agencies, providing a focal point for broad networks of public and private resources at the community level. SBDC partnership programs and activities serving small businesses have contributed significantly to economic growth in each state.

1. Iowa Women's Enterprise Center

| | |
|---|---|
| Partners: | U.S. Small Business Administration<br>John Pappajohn Entrepreneurial Center<br>Iowa State University<br>University of Northern Iowa |
| Type: | Technical Assistance and Information |
| Audience: | Business women in the state |
| Web Site: | www.iabusnet.org/sbdc |

The SBDC/JPEC joined a consortium in 1998 to create an Iowa Women's Enterprise Center for the state. A federal grant provides $150,000 annually through 2003 to fund technical assistance and technology training to women throughout the state of Iowa.

2. Regional Business Center/Kitchen Incubator (RBC)

| | |
|---|---|
| Partners: | U.S. Small Business Administration<br>City of Waterlooe<br>Iowa State University<br>University of Northern Iowa |
| Type: | Technical Assistance and Information |
| Audience: | Food-related Entrepreneurs |
| Web Site: | www.iabusnet.org/sbdc |

UNI and ISU are entering a unique partnership to assist small businesses in eastern Iowa. The RBC is located in downtown Waterloo, and provides a facility for entrepreneurs to secure technical assistance, specialized training, and access to business technology. The kitchen incubator proposed by ISU with a potential opening date of mid 2001, will be located adjacent to the RBC and will be a licensed kitchen facility where entrepreneurs may process and package agricultural products for sale to the public.

### Technology Innovation Center (TIC)

University of Iowa – Technology Innovation Center (TIC)

Partners: University of Iowa Units
- University of Iowa Research Foundation (UIRF)
- UI Oakdale Research Park (ORP)
- Research Marketing & Corporate Relations
- Small Business Development Center
- John Pappajohn Entrepreneurial Center
- Faculty and staff

Government Entities
- State of Iowa Department of Economic Development
- U.S Small Business Administration

Private Sector
- Technology companies
- Entrepreneurs

Type: Technology Transfer
Audience: New business ventures using advanced technology
Web Site: www.uiowa.edu/~vpr/techtran/tic.htm

TIC offers new technology-based business ventures a nurturing business environment that includes cost-effective laboratory and office space, shared equipment and services and access to relevant University research expertise and resources.

### Vision2020

Partners:
- Iowa State University
- Iowa's 15 Community Colleges
- Corporate, Government, and Community Partners
- The Wallace Foundation
- Storm Lake Community
- Tuskagee University

Type:
Audience: Food systems professionals
Web Site: www.iastate.edu/~vision2020

Vision2020 creates a new vision of quality education for food systems professionals for the year 2020. Vision2020 collaborates with the community colleges to provide seamless education; partners with business, industry, government and communities; and creates learner-centered education.

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# EDUCATION
## Post Secondary Education

### Center for Urban Education (CUE)

*Partners:* University of Northern Iowa
Federal Funding
Communities

*Web Site:* fp.uni.edu/eop/unicue.htm

CUE staff work with UNI departments and community programs to match the Center's resources with community needs. CUE identifies community needs, provides educational opportunities for people of all ages and races, and assists students in becoming comfortable and confident in learning.

PROGRAMS:

1. Educational Opportunity Center (EOC)
   www.uni.edu/eoc/
   EOC is a federally funded program dedicated to aid people who have not obtained a bachelor's degree. Its services are free and include:

   - Referral to GED and Adult Basic Education (ABE) classes;
   - Career assessments, planning and counseling;
   - Information, catalogs, and brochures on local colleges and universities;
   - Information on institutional fees and tuition;
   - Admissions and financial aid materials: assistance in completing applications;
   - Assistance with college transfer;
   - Referral to other funding agencies/sources;
   - Assistance in scholarship searches.

2. Educational Talent Search (ETC)
   fp.uni.edu/eop/ETS.html
   ETC is a federally-funded program designed to help students prepare for and acquire a post-secondary education. Its services are free.

3. Upward Bound (UB)
   fp.uni.edu/eop/CUB.htm
   UB is a college preparatory program co-funded by the United States Department of Education and the University of Northern Iowa. It is designed to empower program participants with the academic skills and motivation necessary for students to be successful in high school and college.

## Des Moines Higher Education Center (DMHEC)

*Partners:* University of Iowa
Iowa State University
University of Northern Iowa
Drake University
Grandview College
Simpson College
Des Moines Area Community College
City of Des Moines
Des Moines based businesses

DMHEC is a collaborative effort to deliver graduate and undergraduate courses and programs to the Greater Des Moines Community. The Center strives to provide an efficient and effective means for delivering courses and programs which advance the individual missions and programs of participating organizations and institutions.

## Henry B. Tippie School of Management – MBA Programs

*Partners*: The University of Iowa
Cedar Rapids, Newton, Des Moines, and Quad Cities Iowa Corporations and their Employees
*Type*: Workforce Development (Education)
*Audience*: General Public Interested in MBA; Iowa Corporations and their Employees
*Web Site*: www.biz.uiowa.edu/mba/

Three programs on campus, off-campus and executive MBA. Faculty from the College teach at sites in Cedar Rapids, Newton, Des Moines and the Quad Cities. The Executive MBA is geared toward those who are employed full-time. It is a concentrated program that can broaden expertise and leadership abilities. The employer also benefits because their executives become more knowledgeable.

## Interinstitutional Committee on Educational Coordination (ICEC)

*Partners:* University of Iowa
Iowa State University
University of Northern Iowa

CEC studies relationships of the teaching, research, and service programs of the institutions as may be referred to it by the Board or that may come to its attention from other sources.

## Iowa Coordinating Council for Post-High School Education (ICCPHSE)

*Partners:* University of Iowa
Iowa State University
University of Northern Iowa
Community Colleges
Private Colleges

*Web Site:* www2.state.ia.us/regents/highered.html

The main function of the Iowa Coordinating Council for Post-High School Education is to provide an effective means of voluntary cooperation and coordination of post secondary education through the various boards that are ultimately responsible for post-high school education in Iowa.

## Iowa Lakeside Laboratory (ILL)

*Partners:* University of Iowa
Iowa State University
University of Northern Iowa
Private colleges
Iowa Lakeside Community College
Friends of Lakeside Lab, Inc.

*Web Site:* http://www.public.iastate.edu/~Lakeside/homepage.html

Since 1909, ILL has been offering summer courses at its campus on the shores of West Lake Okoboji in northwest Iowa. Credit for these courses can be obtained through Iowa State University, The University of Iowa, and The University of Northern Iowa. Information about Lakeside and its summer courses, including an on-line registration and housing form, is found in the 2000 ILL Bulletin.

Lakeside also offers three kinds of programs for the general public each summer: Wild Wednesdays, Sunday Night Seminars, and Guided Nature Tours.

## Library Partnerships

*Partners:*
University of Iowa
Iowa State Universities
University of Northern Iowa
Other Universities
State Libraries
Regional Libraries
K-12

*Web Sites:*
www.lib.uiowa.edu/info.html
www.lib.iastate.edu/
www.library.uni.edu/

The Regent University library web sites enable anyone with access to the Internet to obtain information from many resources. Examples of such information could range from a specific collection maintained at one of the institutions to web site links of various other libraries.

## Quad-Cities Graduate Study Center (GradCenter)

*Partners:*
University of Iowa
Iowa State University
University of Northern Iowa
Other Private and Public Universities in Iowa and Illinois
Quad-Cities Area Communities

*Web Site:*
www.gradcenter.org/start.php3

The GradCenter is a consortium of eleven public and private Iowa and Illinois post-secondary institutions. The GradCenter provides graduate-level educational opportunities to the Quad Cities area and serves the needs of place-bound students whose work and family responsibilities make traditional on-campus study difficult. A number of different graduate degrees are offered, including 70+ masters degree programs, an Ed.S. degree program, and several doctoral degree programs.

## Regent Committee on Education Relations (RCER)

*Partners:*
University of Iowa
Iowa State University
University of Northern Iowa
Iowa Department of Education, Community College Division

RCER is charged with establishing closer working relationships and cooperation with secondary and other post-secondary educational institutions in Iowa. RCER also collaboratively determines the acceptability of credit from the various institutions sending students to the Regent universities.

## School of Social Work – MSW Off-Campus Programs

*Partners*: Tri State Graduate Center
Des Moines Education Center
Quad Cities Graduate Study Center
*Type*: Workforce Development (Education)
*Audience*: Individuals Wishing to Obtain MSW; Community Service Agencies
*Web Site*: www.uiowa.edu/~socialwk/

Master of Social Work degree, part-time and full-time can be obtained through the Des Moines Center. The Quad Cities program, which is part-time, has been approved by the CSWE for over 25 years. The Sioux City Center was specifically initiated to alleviate the shortage of qualified professional master level social workers in the western part of Iowa.

## Southwest Iowa Regents Resource Center (SIRRC)

*Partners:* University of Iowa
Iowa State University
University of Northern Iowa
Council Bluffs Community
*Web Site:* www.extension.iastate.edu/swirrc/AboutSWIRRC.html

SIRRC operates as a coordinating office, serving as a liaison between southwest Iowa residents and their Regent universities. In addition to graduate education, the Center assists with delivery of selected undergraduate Regent programs. It also serves as a contact point for information on Regent university resources, admissions, support services, cultural activities, and internship programs. This unique, cooperative effort allows individuals, business firms, and organizations to use resources of the Iowa Regents university system to meet their educational needs.

## TEAMS
## (Teacher Education Addressing Minority-Language Speakers)

*Partners:* University of Northern Iowa
Marshalltown Community College
Marshalltown Community School District
*Web Site:* www.uni.edu/teams

TEAMS, a bilingual career ladder program, enables successful completion of elementary teacher education for adults whose native language is other than English. This project delivers an undergraduate degree for bilingual adults who are currently working as para-professionals in schools or who have recently graduated from high school.

## Tri-State Graduate Center

*Partners:* University of Iowa
Iowa State University
University of Northern Iowa
Other Private and Public Universities in SD, IA & NE
Sioux City Area Communities

*Web Site:* www.tri-state-grad.org/

The Tri-State Graduate Center is a consortium of colleges and universities in Iowa, Nebraska, and South Dakota. Its purpose is to facilitate the delivery of graduate education to the residents of Siouxland by bringing graduate programs and other training opportunities to the immediate area so graduate-level training may be obtained without traveling to distant campuses.

Funding by the state governments of Iowa and Nebraska provide the main sources of revenue for the Graduate Center. Funding from South Dakota flows from the institutions that have delivered courses through the Center.

## Urban Education Network MAE degree in Educational Leadership

*Partners*: The University of Northern Iowa and the Urban Education Network, a consortium of the eight largest school districts in Iowa.

*Type*: Workforce Development (Education)

*Audience*: K-12 teachers in the school districts of Cedar Rapids, Council Bluffs, Davenport, Des Moines, Dubuque, Sioux City, and Waterloo who wish to become school principals.

The UNI Department of Educational Leadership is offering the MAE to teachers in the above named districts primarily via the ICN and the World Wide Web with limited on-campus attendance required. The districts provide mentors and practicum opportunities.

# Cooperatives with Community Colleges

## Articulation Agreements

*Partners:* University of Iowa
Iowa State University
University of Northern Iowa
Community Colleges

*Web Site:* www.uni.edu/CONNECTIONS/WINTER98/page4_2.html

Articulation agreements between institutions help students make a smooth transition from one institution to another, with the integral aspect involving the transfer of credits. To facilitate articulation, the Regents have a committee on educational relations, which includes a community college representative. This committee reviews and refines articulation agreements, facilitates electronic data exchanges for transcripts, facilitates collaborative policies on credit by examination and credit for vocational technical course work, advises on use of common grading symbols, and exchanges information on post-secondary school education opportunities.

University of Iowa: Over the past few years, the University of Iowa has made an effort to smooth the transition for transfer students through "articulation agreements" specifying course equivalents and program requirements for most Iowa colleges. Consequently, although fewer students are changing from private schools, more students are transferring to the University from community colleges to complete their degrees. From 1990 to 1993, 17.7 percent of students receiving Iowa community college associate degrees enrolled at SUI. The graduate numbers show that Iowa also receives a significant proportion of its new graduate and professional students from Iowa undergraduate colleges.

Iowa State University: Students who plan to enter the College of Liberal Arts and Sciences at Iowa State with an associate in arts degree from an Iowa community college, and who have at least 60 prescribed semester (90 quarter) credits acceptable for transfer and at least a 2.00 cumulative average, will be considered to have met the general education requirements of the College (with the possible exception of the foreign language and library requirements.)

University of Northern Iowa: Past and future graduates of selected technical programs at Hawkeye Community College, North Iowa Area Community College, Kirkwood Community College and Central Iowa Community College are now able to continue their education toward a bachelor's degree at UNI without starting over, thanks to articulation agreements between UNI and programs in each school.

## Community Colleges

*Partners:* University of Iowa
Iowa State University
University of Northern Iowa
Iowa's 15 Community Colleges

The Board of Regent's strategic plan requires that its institutions increase cooperation and collaboration among the Regent institutions and with other educational agencies, including community colleges and independent colleges and universities. Below are a few specifics of the Regent institutions' partnerships with community colleges. (Also see articulation agreements at the beginning of this education section.)

University of Iowa:

With Northwest Iowa Community College:

- A specific articulation agreement allowing transfer of NICC credits to the University's BSN program.

With Iowa Central Community College:

- Offers a satellite program on the ICCC campus with SUI's College of Nursing, in the RN-BSN progression program.

With Eastern Iowa Community College:

- Joint admissions agreement.

With Iowa Central Community College:

- Operate WOI-KTPR radio station on ICCC campus.

With Kirkwood Community College:

- Co-sponsor the MacBride Raptor Project that provides treatment and protection on an annual basis for over 150 injured birds of prey and also offers educational programs to the public.

With Western Iowa Tech Community College:

- WITCC participates in a library consortium which serves all WITCC campuses with the shared resources of the SUI Medical Libraries.

Iowa State University:

With Northeast Iowa Community College:

- In a cooperative venture to create the Northeast Iowa Community Based Dairy Foundation to construct a Center of Excellence for Value-Added Dairy Education and Applied Research.
- In the Center for Industrial Research and Service and the Iowa Manufacturing Extension Program.

With Kirkwood Community College:

- To deliver electrical engineering courses to Rockwell International and Norand Corporation employees. Students graduating from KCC with a two-year degree in pre-engineering may complete their BS through courses offered by ISU over the ICN. Lab work is conducted by ISU faculty members on the KCC campus.
- In the Center for Industrial Research and Service.

With Des Moines Area Community College:

- Offers students the opportunity of dual enrollment in a variety of subjects.

With Western Iowa Tech Community College:

- Offering licensure courses for WITCC faculty.

With Southwestern Community College:

- In cooperation with the ISU Research Foundation, SCC offers an Internet-based Introductory Biology course developed by ISU. The instructor is a SCC faculty member.
- Two grant-writing partnerships with ISU Agriculture Department.

University of Northern Iowa:

With Northeast Iowa Community College:

- A specific articulation agreement in the area of Industrial Technology that provides NICC students with a seamless transfer.

With Northwest Iowa Community College:

- A 2+2 agreement for six technical programs.

With Hawkeye Community College:

- A cooperative relation between HCC and the UNI Industrial Technology Department to serve the needs of business and industry.
- An agreement for UNI to provide a variety of adjunct faculty.

With Des Moines Area Community College:

- A 2+2 program agreement.

With Western Iowa Tech Community College:

- Specific articulation agreements permitting the transfer of nine different AAS degrees from vocational-technical programs.

## Leadership Initiative Consortium (CLIC)

*Partners:* Iowa State University
Iowa Association of Community College Trustees
Iowa Association of Community College Presidents

*Web Site:* www.educ.iastate.edu/elps/hged/clicdes.htm

ISU College of Education, working in cooperation with the 15 community colleges, offers graduate workshops. CLIC provides upper level and mid-management administrators of community colleges with an excellent staff development experience by training them with the skills necessary to lead community colleges into the 21st century. CLIC is designed to encourage growth and further development of administrative skills in current and future college Deans, Directors, and Department Chairs.

### Leadership Institute for a New Century (LINC)

*Partners:* Iowa State University, College of Education
Community Colleges

ISU College of Education, working in cooperation with the 15 community colleges, offers graduate workshops. LINC provides academic and internship opportunities to encourage the advancement of women and minorities and other aspiring professional into administrative leadership roles at Iowa community colleges.

## K – 12 Education

### WeBCATT: The National Institute for Technology for Inclusive Education

*Partners:* Waterloo School District
Cedar Falls School District
Price Lab School
Area Education Agency 7
AT&T@ Home
Cedar Falls Utilities

*Audience:* Families of children with disabilities, teachers, service providers, assistive technology providers

*Type:* Basic Research
New Development
Technical Assistance and Information

*Web Site:* www.uni.edu/coe/specialed/webcatt/

The primary goal of WeBCATT: The National Institute for Technology for Inclusive Education is to work with local organizations to provide information and support on accessing and using assistive technology to families of children and youth with disabilities.

### Iowa Testing Program

*Partners:* University of Iowa
School Districts Nationwide

*Type:* Workforce Development

*Audience:* Teachers and School Districts nationwide

*Web Site:* www.uiowa.edu/~itp

The primary activities of ITP are to develop standardized achievement tests for use nationally in grades K-12; to administer statewide achievement testing programs for schools in Iowa; to provide consultation to school systems on test use and score interpretation; to conduct research studies of test development and use; and to help prepare specialists in educational measurement through graduate-level educational programs.

## International Classroom Program
## (Part of the International Programs Office)

*Partners*: *The University of Iowa*
International Volunteers
Selected Iowa School Districts
*Type*: Workforce Development (Education)
*Audience*: General Public; Children In Iowa School Districts
*Web Site*:

Recruits volunteers from countries around the world and works with schools in southeastern Iowa to provide them with speakers. During 1999-2000, the ICP sent more than 175 UI students to Iowa schools and community organizations.

## Arts Share

*Partners*: The University of Iowa
Roy Carver Charitable Trust
Other Private Donors
Iowa School Districts
*Type*: Workforce Development (Education)
*Audience*: School Children in Iowa School Districts
*Web Site*:

Arts Share's primary mission is to bring Iowa schoolchildren together with faculty and visiting artists to improve the schoolchildren's understanding and appreciation for the arts. During 1999-2000, the Arts Share program sponsored 203 educational visits by faculty to 53 Iowa counties.

## University of Iowa Libraries

*Partners*: The University of Iowa
Upward Bound Program
School Districts in Iowa
*Type*: Workforce Development (Education)
*Audience*: General Public; University Students; Students and Teachers in Iowa's School Districts
*Web Site*: www.lib.uiowa.edu/

The University Libraries is the largest library system in Iowa and has the 17th largest holdings among the nation's research libraries. In addition to the general collection, the Library has some specialized programs that help Iowa's school children. For example, the Upward Bound Program specifically geared to 9th through 11th grade students from low income or potential first-generation college students, met with librarians in specially prepared classes to teach them to find and evaluate information. Additionally, Health Science Librarians participate in several summer programs that have taught 105 junior and senior high school students how to access electronic health information. These same librarians have identified nine counties underserved in health sciences information. Staff have traveled to four of these counties with the remaining five counties to be visited by the end of the fall semester. Health professionals were contacted and invited to sessions teaching the use of electronic health sciences resources.

## Women in Science and Engineering (WISE)

*Partners*: University of Iowa
Iowa State University
Connie Belin and Jacqueline N. Blank Center for Gifted and Talented
Opportunity at Iowa
UNI Price Laboratory
Council on the Status of Women; UUAW
Iowa School Districts
*Type*: Workforce development
*Audience*: General public; those interested in encouraging girls and women to increase interest in science and technology
*Web Site*: www.uiowa.edu/~wise

Foster the interest of girls and women in science and technology. Provides multiple services and programs for college-age women and those in school districts. Among them, Women in Natural Science (WINS) a one-week summer science camp for girls who have just completed 7th grade. The Environmental Health Sciences Institute is a full-scholarship, one week residential experience for rising 10th graders from Iowa communities of less than 2,500 residents. Another program for K-12 initiates funding to school districts' libraries to include books which feature women in positions in science and technology. A WISE mentoring handbook is in its second edition. It provides names of women in the UI College of Engineering who are willing to serve as mentors.

## Belin and Blank International Center for Gifted Education and Talent Development (BB-C)

*Partners:* Myron and Jacqueline N. Blank
State of Iowa
K-12

*Web Site:* www.uiowa.edu/~belinctr/

The BB-Center is a leader in the field of gifted education and has established a national reputation for its research, training, and service.

## Camp Adventure™ (CA)

*Partners:* University of Northern Iowa
K-12

*Web Site:* www.uni.edu/campadv/

CA is a student-run organization that blends theory and practice in the delivery of programs and services to children and youth. CA offers students the opportunity to work with children and youth and to travel to places such as Hawaii, Alaska, Japan, Guam, Korea, England, Germany, Italy, Spain, Belgium, Panama, and Puerto Rico. Students plan and implement school-age services and youth development programs, develop leadership and management skills, enhance global awareness, and promote cultural sensitivity. CA offers a full line of programs directed primarily toward children of U.S. military installations, U.S. embassies, and corporate clubs and associations.

## CyTech Challenge

*Partners:* Iowa State University
College of Business
College of Liberal Arts and Sciences
College of Engineering
Government of the Student Body
Management Information Systems Club
Computer Science Club
Institute of Electrical and Electronics Engineers
21 Corporate Partners

*Web Site:* www.cytech.iastate.edu/default.htm

The CyTech Challenge is an annual event held at Iowa State University for Iowa high school students to generate excitement and explore technology through the innovative activities presented by the sponsoring organizations. Participants are given an opportunity to learn, first-hand, about how information technology is applied in business.

## Institute for Educational Leadership (IEL)

*Partners:* University of Northern Iowa
K-12

*Web Site:* www.uni.edu/coe/iel/

IEL promotes the improvement of elementary, secondary, and post-secondary education throughout Iowa. IEL serves as a catalyst for:

1. Informed dialogue on educational issues impacting schools of Iowa, the region and nation;
2. Developing collaborative relationships with individuals and/or organizations external to schools; and
3. Educational policy development.

The IEL strives to bring the knowledge base of practice into relationship with the university community, resulting in stimulating interaction which addresses complex leadership and educational issues. This knowledge offers innovative ideas and new insights that serve as a foundation for decision making and policy development.

## Instructional Resource Technology Center (IRTC)

*Partners:* University of Northern Iowa
K-12

*Web Site:* www.uni.edu/coe/irts/

IRTC coordinates several instructional technology initiatives within the College of Education. The mission of IRTC is to provide students, faculty, and in-service educators with laboratories in which to examine and evaluate curricular resources.

## Malcolm Price Laboratory School (PLS)

*Partners:* University of Northern Iowa
K-12
Preschool

*Web Site:* fp.uni.edu/pls/default.htm

Located on the campus of the University of Northern Iowa, PLS provides one of the nation's outstanding settings for clinical teacher education and research at the early childhood, elementary, middle, and high school levels. As a part of the Department of Teaching within the College of Education, the Laboratory School is a vital part of the University of Northern Iowa and both elementary and secondary divisions are accredited by the North Central Association Commission on Schools.

The Laboratory School serves approximately 650 students living within the larger Cedar Falls/Waterloo metro area.

## National K-12 Foreign Language Resource Center

*Partners:* Iowa State University
Center for Applied Linguistics
K-12

*Web Site:* www.educ.iastate.edu/nflrc/

The mission of the National K-12 Foreign Language Resource Center is the improvement of student learning of foreign languages at the elementary and secondary school levels. In recognition of the language needs of American children, the Center strengthens foreign language learning through collaborative efforts to promote extended-sequence foreign language programs and improved teacher preparation.

The Center is a unique collaborative effort among Iowa State University, the Center for Applied Linguistics in Washington, DC, nationally-known leaders in the field of K-12 foreign language education, national foreign language organizations, elementary and secondary teachers, district supervisors of foreign language, and foreign language teacher educators at colleges and universities.

## Partners in Education

*Partners:* University of Northern Iowa
Black Hawk Elementary School

*Web Site:* www.uni.edu/contined/pined

Black Hawk Elementary School and the University of Northern Iowa have been Partners in Education since 1987. Faculty, staff and students from Black Hawk and UNI have benefited through the exchange of ideas and classroom interaction.

The partnership increases basic skills competency and provides a support system of caring adults for Black Hawk students while providing opportunities for UNI students and staff to increase teaching effectiveness; provides interest and involvement activities for Black Hawk students enhancing their motivation to learn while providing opportunities for UNI students and Black Hawk staff to increase their teaching effectiveness; provides experiences for UNI students and staff which reflect public education as it is today in Waterloo and the nation; utilizes UNI staff and curriculum opportunities with professors in academic areas through special resources available; provides interaction between Black Hawk staff members and UNI faculty and staff through collegial support, collaborative planning, and staff exchange; and increases awareness of each facility of the partnership.

## Reading and Writing for Critical Thinking Project (RWCT)

*Partners:* University of Northern Iowa
*Web Site:* www.uni.edu/coe/rwct/project/index1.html

RWCT introduces research-based, instructional methods to teachers and teacher educators. These methods are designed to help students think reflectively, take ownership for their personal learning, understand the logic of arguments, listen attentively, debate confidently and become independent, life-long learners. The program can be used in all grades and subjects with existing curricula.

RWCT is an initiative of the Open Society Institute (OSI), which promotes worldwide educational, social and legal reform, and the International Reading Association, a non-governmental organization of professional educators. These groups work in close collaboration with the 20 National Soros Foundations in participating countries. Faculty from the University of Northern Iowa and the College of William and Mary provide leadership and direction.

## Reading Recovery Program

*Partners:* University of Iowa
Iowa State University
University of Northern Iowa
K-12
*Web Site:* http://www.uiowa.edu/%7Errci/

Reading Recovery is an early intervention program to assist children in first grade who are having difficulty learning to read and write. Children eligible for the program are identified by their classroom teachers as the lowest in their class in reading acquisition. Children who are not taking on reading and writing through regular instruction receive a short-term, individually designed program of instruction that allows them to succeed before they enter a cycle of failure. Reading Recovery is designed to move children in a short time from the bottom of their class to the average, where they can profit from regular classroom instruction.

## Reading Clinic

*Partners:* University of Iowa
Iowa State University
University of Northern Iowa
K-12

*Web Site:* www.uni.edu/coe/ci/reading.html

The UNI Reading Clinic is a division of the Department of Curriculum and Instruction at the University of Northern Iowa. The Clinic facility is designed to serve as a practicum site for UNI students enrolled in education programs and as a locale where children with literacy learning needs can receive assistance. Clients may be referred by parents, teachers, or other educational personnel.

One-to-one remedial tutoring in a clinical setting is provided to clients by students enrolled in 230:147g Remedial Reading and the corequisite, 230:192g Experience in Reading: Tutoring. Tutoring is conducted under the supervision of University faculty and graduate assistants in reading education. Each client receives an individually designed remedial program. The child's program is developed following administration of diagnostic and evaluative measures. Tutoring times are arranged with each child's family. There is a small materials fee.

## Student Teaching

*Partners:* University of Iowa
Iowa State University
University of Northern Iowa
Public School Districts

The universities provide student teaching placement for eligible education majors in Iowa and around the world through a comprehensive student teaching network. Diverse student teaching opportunities provide experiences in multicultural settings, bilingual placements, and contemporary educational field settings. Student are informed and encouraged to consider teacher shortage areas in Iowa.

# 0 – 5 Education

## Council on International Programs (CIP)

*Partners:* Iowa State University
*Web Site:* www.iastate.edu/~cip

CIP coordinates international educational activities, advises the provost on the University's international dimensions, and administers annual Internationalization/ Globalization Grants from the provost.

Iowa State University has a rich history in international involvement. Iowa State's commitment to internationalization can be found in all parts of the campus in virtually every department and program. In its commitment to developing partnerships with premier educational institutions around the world, Iowa State has agreements with 175 universities and colleges in 57 countries.

## Regents Center for Early Development Education

*Partners:* University of Iowa
Iowa State University
University of Northern Iowa
Educational Agencies
*Web Site:* www.uni.edu/coe/regentsctr/

Established in 1988, the Regents' Center for Early Developmental Education focuses efforts on improving early childhood education (birth through 8 years) in Iowa and beyond. Recognizing that children construct knowledge, intelligence, personality, and morality through active experimentation with physical and social environments, the Center supports educational efforts that emphasize children's interest, experimentation, and cooperation.

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# ENVIRONMENT

## Ag-Based Industrial Lubricants (ABIL)

*Partners:* University of Northern Iowa
Farmers associations
Grain processors
Additive suppliers
Equipment designers, including John Deere, Pioneer Hi-Bred International, Dupont, Iowa Soybean Promotion Board, Iowa Department of Economic Development, Iowa Department of Agriculture and Land Stewardship, USDA, Cargill, Vickers, Northland Products, Timken, and Oilgear.

*Type:* Technology Transfer

*Web Site:* www.uni.edu/abil/about.html

ABIL works to expand the market for crops grown in the United States by providing research and technology transfer leading to commercialization of environmentally friendly industrial lubricants. The ABIL Research Program, in conjunction with its industrial and educational research collaborators, has assembled a staff of highly skilled technicians, researchers, and advisors to explore opportunities for the potential significant unrealized uses of vegetable oils in the areas of lubricant and polymer manufacturing. ABIL receives continued input from a technical advisory board and a management advisory board from numerous organizations.

## Agriculture Education Professional Development Program (AEPDP)

*Partners:* Iowa State University
Iowa Stare University Extension
Iowa Department of Education
Pioneer Hi-Bred International Inc.
Iowa Soybean Association
Iowa Corn Promotion Board
Iowa Farm Bureau Federation
Iowa Commodity Groups
Iowa Bankers Association
Happy Joe's Restaurants

*Type:* Workforce Development

*Audience:* Agricultural Educators

*Website:* www.ag.iastate.edu/departments/aged/aedp/

AEPDP program was developed, through collaboration of educators, agencies, and industry to provide agricultural educators an on-going professional development program. Goals of the program include linking agricultural educators and students with industry, and enhancing communications among professionals and strengthening local and state-wide support groups. Since 1996 more than 60 new teachers have benefited from capacity building with the involvement of nearly 150 experienced teachers.

## Agriculture Specialists Serving in Science & Technology (ASSIST)

*Partners:* Iowa State University
Pioneer Hi-Bred International, Inc.
K-12
*Type:* Technical Assistance & Information
*Audience:* Nontraditional students
Urban high schools
*Web Site:* www.ag.iastate.edu/centers/assist/
*History:* Founded in 1994 by Pioneer Hi-Bred International, Inc. and Iowa State University

ASSIST provides affordable, appropriate, agricultural expertise both in domestic and international settings to provide internships for nontraditional students, and to encourage the improvement of agricultural education in urban high schools. ASSIST serves clients in need of agricultural expertise to develop and maintain appropriate agricultural systems. Its vision is to be a premier resource for development in agriculture by encouraging private and public collaboration.

## Ames Center for Animal Health (ACAH)

*Partners:* Iowa State University
USDA Agriculture Research Service
Animal and Plant Health Inspection Service
*Type:* Basic Research
*Web Site:* www.vetmed.iastate.edu/depart/centers/centerACAH

The purpose of the ACAH is to further integrate and enhance animal health research and service activities at Iowa State University, the USDA Agriculture Research Service laboratories and the Animal and Plant Health Inspection Service laboratories and offices in Ames. The ACAH helps all three entities better serve the animal health needs of the state, the nation, and the world.

## Beginning Farmer Center (BFC)

*Partners:* Iowa State University
Iowa Department of Agriculture and Land Stewardship
Farmers
*Type:* Technical Assistance and Information
*Audience:* Beginning farmers
Retiring farmers
*Web Site:* www.extension.iastate.edu/Pages/bfc/
*Statute:* §266.39E, Iowa Code

BFC helps Iowans pass farm operations from one generation to another. It offers the Farm On service, which matches beginning farmers who do not own land with retiring farmers who do not have heirs to continue the family farm business. BFC also provides consultation, seminars, and publications related to farm succession issues.

## Biotechnology Byproducts Consortium (BBC)

*Partnerships:* University of Iowa
Iowa State University
City of Cedar Rapids
*Type:* Basic Research
*Web Site:* www.medicine.uiowa.edu/bbc/

The BBC is a consortium of experts from the City of Cedar Rapids and faculty members from the universities to research the treatment of agricultural and food-processing byproducts at local and national levels. The initial intent was to study fermentation and biotechnological byproducts, but the focus shifted to searching the conversion of inherently low-value (or poorly characterized) raw materials into value-added products.

## Brenton Center for Agricultural Instruction and Technology Transfer (Brenton Center)

*Partners:* Iowa State University
The Brenton Family
*Type:* Technology Transfer
*Audience:* Community Colleges
Agricultural Business and Industry
Associations
Commodity Groups
*Web Site:* www.ag.iastate.edu/centers/brenton/

The Brenton Center, established in 1995 through private gifts to the College of Agriculture, is a high-technology instructional center that extends the educational offerings of Iowa State University beyond ISU's physical campus. It contains high-tech classrooms to link ISU with sites across Iowa using the state's fiber optic network for continuing education and extension.

## Census Services

*Partners:* Iowa State University
State Data Center Program
Federal and State agencies
*Type:* Technical Assistance and Information
*Audience:* Private and public agencies
County and community decision-makers
Business leaders
*Web Site:* socserver.soc.iastate.edu/census/

Census Services collects, analyzes and distributes information related to Iowa's population, housing, agriculture, business, industry, and government. It examines information from federal and state agencies and assembles it for use by business and community leaders.

## Center for Agricultural and Rural Development (CARD)

*Partners:* Iowa State University
U.S. Government
Governments of other countries
*Type:* Basic Research
*Web Site:* www.card.iastate.edu/

CARD is the largest university-based agricultural policy research institute in the United States. It is nationally and internationally known for developing quantitative systems using integrated models, advanced economic theory and econometric methods. CARD implements broad-based research on resources and environmental policy, agricultural trade policy, food and nutrition policy and rural and economic development policy. It maintains linkages with the private sector, with the U.S. Government and with governments of other countries.

**CARD Affiliates:**

1. *Food and Agricultural Policy Research Institute (FAPRI)*
   *Partners:* Iowa State University
   University of Missouri-Columbia
   University of Arkansas
   North Dakota State University
   Center for National Food and Agricultural Policy at the University of Missouri-Columbia
   *Type:* Technical Assistance & Information
   *Audience:* Congress and other constituents
   *Web Site:* www.fapri.iastate.edu

   FAPRI analyzes domestic and international agricultural and trade policies and prepares baseline projections each year for the US agricultural sector and international commodity markets.

2. *Midwest Agribusiness Trade Research and Information Center (MATRIC)*

   *Type:* Technical Assistance & Information
   *Audience:* U.S. businesses
   *Web Site:* www.card.iastate.edu/matric

   MATRIC is an international agricultural trade development center that provides current market and policy research to help expand international markets for agricultural products and services.

## Center for Designing Foods to Improve Nutrition (CDFIN)

*Partners:* Iowa State University
Private-Sector Organizations
Public Institutions
*Type:* New Development
*Audience:* Private-sector food manufacturers
*Web Site:* www.fcs.iastate.edu/fshn/research/nutrition

CDFIN researchers explore ways to improve foods. Research areas include modifying agricultural commodities and changing food formulations, food processing, and food preparation to provide new, affordable, appealing foods that will improve the nation's nutritional status.

## Center for Energy and Environmental Education (CEEE)

*Partners:* University of Northern Iowa
U.S. Department of Energy
Various partnerships and sponsors for programs listed below
*Web Site:* www.ceee.uni.edu

CEEE seeks to fulfill the mandate to "think globally and act locally" by promoting actions at the local level that have global implications. CEEE's goal is to make those linkages more clear. Because the primary forces of environmental change are energy use; land use; materials use and consumption; and population growth, much of the work is focused on these issues.

***ENERGY PROGRAMS:***

1. *Iowa Energy Poster Contest (IEPC)*
   *Partners:* Iowa Energy Center
   Iowa Association of Electric Cooperatives
   Iowa Association of Municipal Utilities
   Iowa Utility Association
   Iowa Department of Natural Resources
   *Type:* Technical Assistance & Information
   *Audience:* Elementary students

   Students are encouraged to produce energy efficiency and energy conservation related artwork. Posters are solicited from school children across the state in grades one through six.

2. *Rebuild Cedar Valley (RCV)*
   *Partners:* Cedar Falls Utilities (CFU)
   Iowa Department of Natural Resources (IDNR)
   *Type:* Technology Transfer
   *Audience:* Local residents

   Formed to promote energy efficiency in Cedar Falls. The project is supported by a grant from the Iowa Department of Natural Resources (IDNR). This effort joins several similar programs across the state that are under the IDNR umbrella.

3. *Iowa Electrathon (IE)*
   *Partners:* Iowa Renewable Energy Association
   *Type:* Technical Assistance & Information
   *Audience:* Junior-high schools and senior-high schools

   Junior-high and high-school teams compete to cover the most distance in one hour in an electric vehicle which they have built. Rules are designed to promote safety and fairness, but they purposely allow for a wide range of creative solutions to engineering and fabrication issues.

4. *Energy Star Congregations (ESC)*
   *Partners:* U.S. Environmental Protection Agency's Energy Star Congregations Program
   *Type:* Technical Assistance & Information
   *Audience:* Religious denominations

   The ESC actively sought religious denominations to participate in improving energy efficiency in their houses of worship and church-related buildings such as parsonages, schools, retreat centers, hospitals, and senior citizens homes. When such measures are implemented in church buildings, there will be a ripple effect throughout the congregation as members follow suit and adopt similar measures in their own homes. In 1998, the CEEE became the national coordinator for the US Environmental Protection Agency's Energy Star Congregations Program.

5. *Iowa Energy Summit (IES)*
   *Partners:* Iowa Department of Natural Resources
   MidAmerican Energy
   Pella Corporation
   *Type:* Technical Assistance & Information

   The annual IES gathers teams of students from six Iowa high schools to consider proposals regarding Iowa's energy future.

6. *CEEE-KUNI Radio Series on Energy Issues in Iowa*
   *Partners:* CEEE
   *Type:* Technical Assistance & Information
   *Audience:* Local residents

   A unique year-long radio series that focuses on energy issues in Iowa.

7. *Energy Stewardship Congregations*
   *Partners:* Eco-Justice Working Group of the National Council of Churches of Christ (NCCC) in the USA
   US Environmental Protection Agency
   CEEE
   *Type:* Technical Assistance & Information
   *Audience:* Nationwide houses of worship

   A program to provide energy efficiency information to houses of worship nationwide.

8. *Greening of UNI*
   *Partners:* Iowa Department of Natural Resources
   UNI Department of Residence
   Cedar Falls Utilities
   CEEE
   *Type:* Technical Assistance & Information
   *Audience:* UNI campus

   A collaboration to measure and document energy efficiencies resulting from recent UNI campus renovations.

9. *Iowa Energy Bowl*
   *Partners:* Iowa Department of Natural Resources
   Pella Windows
   CEEE
   *Type:* Technical Assistance & Information
   *Audience:* Iowa high school students

   The program goal is in-depth energy education for high school students about energy issues in Iowa and emerging technologies in energy efficiency.

10. *Rebuild Cedar Falls/Conservation City Program*
    *Partners:* CEEE
    City of Cedar Falls
    *Type:* Technical Assistance & Information
    *Audience:* Cedar Falls residents and businesses

    The objective of this program is to increase energy efficiency in Cedar Falls residences and small businesses, reducing energy consumption while demonstrating the benefits that accrue, including increased disposable income, creation of new jobs, improved air quality, and reduced emissions of the greenhouse gas $CO_2$.

11. *Solar Oven Checkout Program*
    *Type:* Technical Assistance & Information
    *Audience:* General public

    Program to educate the general public about solar technology and encourage its use. A portable solar oven/cooker is available from CEEE to the general public and community groups to take on outings and campouts.

12. *Sustainable Community Development through Participation in Cedar Falls 2010 Strategic Planning Initiative*
    *Partners:* CEEE
    City of Cedar Falls government
    25 citizens from business
    Cedar Falls Utilities
    UNI/UNI's Institute of Decision Making
    *Type:* Technical Assistance & Information
    *Audience:* City of Cedar Falls residents and businesses

    The program is charged with developing a direction for city planning by the year 2010, focusing on guiding citizens in reducing energy consumption and fostering environmentally responsible development for the City of Cedar Falls.

***ENVIRONMENTAL PROGRAMS:***

1. *National Sustainable Consumption Initiative (NSCI)*
    *Partners:* Merck Family Fund, Tacoma Park, Maryland
    Recycling & Reuse Technology Transfer Center, Cedar Falls, IA
    *Type:* Technical Assistance & Information

NSCI educates and heightens awareness regarding consumption. For every product produced, there are environmental impacts ranging from air and water pollution to solid waste generation.

2. *Iowa Festival Recycling Project (IFRP)*
    *Partners:* Division of Leisure Services of the School of Health Physical Education and Leisure Services, UNI
    Center for Energy and Environmental Education, UNI
    Iowa Department of Natural Resources
    Allen Memorial Hospital
    Allen College
    *Type:* Technical Assistance & Information
    *Audience:* Sturgis Falls Festival
    Cedar Basin Jazz Festival
    College Hill Arts Festival

    The IFRP was developed to provide baseline data about the amount and types of waste generated during various festivals, and then to establish a recycling program to significantly reduce the amount of that waste that is sent to landfills.

3. *Environmental Issues Instruction (EII)*
   *Type:* Technical Assistance & Information
   *Audience:* K-12 Teachers

   EII is specifically designed to train K-12 teachers in environmental issues and concepts that can be introduced into their classrooms. The workshops encourage teachers to integrate their science, mathematics, language arts and other curricula in the study of complex environmental problems.

4. *Cedar Valley Commuting Initiative*
   *Partners:* UNI Wellness and Recreation Center
   *Type:* Technical Assistance & Information
   *Audience:* UNI students, faculty & staff

   Alternately named *Sole Power*. Its goal is to increase the number of students, faculty, and staff that leave their cars at home and commute to campus by foot, bicycle, or skates, and to educate the university community on the advantage of "sole powered" commuting.

5. *Community and Economic Regeneration through Strengthening the Local Food Economy*
   *Partners:* Local agriculture
   *Type:* Technical Assistance & Information
   *Audience:* Local community

   A pilot study seeking to analyze the benefits to the local economy and the environment through direct support of local agriculture.

6. *Iowa Outreach Initiative for Waste Reduction, Reuse and Recycling*
   *Partners:* UNI
   *Type:* Technical Assistance & Information
   *Audience:* Iowa citizens/U.S. citizens

   Three displays have been developed: *Are You in Control of Your Money?; Is Stuff Taking Over Your Life?;* and You Are What You Eat . . .What Are You Eating? These have been loaned out more than 25 times since July 1999. An estimated 51,000 people from New York to California have viewed the displays.

7. *Iowa Summer Lakes Study*
   *Partners:* Roy J. Carver Charitable Trust
   Iowa Space Grant Consortium
   UNI
   *Type:* Technical Assistance & Information
   *Audience:* Iowa lakes

   A unique multidisciplinary environmental research project examining water quality. The Director of CEEE is the co-principal investigator with participation by eight other UNI faculty and approximately 14 undergraduate students each summer.

8. *Midwest Sustainable Consumption Initiative*
   *Partners:* UNI
   *Type:* Technical Assistance & Information
   *Audience:* Educators

   The curriculum, *Waste Reduction: Addressing the Overlooked 'R'*, has been distributed to more than 90 educators in Iowa and Nebraska at two "train-the-trainer" workshops.

9. *Waste Reduction: Piloting a Curriculum & Training 7-12 Grade Teachers*
   *Partners:* UNI
   *Type:* Technical Assistance & Information
   *Audience:* 7-12 Grade teachers and students

   This program introduces a selection of waste reduction curriculum materials, including use and distribution of nonrenewable resources, history of consumption and waste, and social justice, to Iowa teachers and their students.

10. *Yards for Kids*
    *Partners:* UNI's RRTTC
    UNI's CEEE
    IDNR
    Lawn care providers
    *Type:* Technical Assistance & Information
    *Audience:* Local residents, businesses, churches

    A public awareness campaign promoting ecological alternatives to lawn pesticides. The specific goals are to provide one-on-one outreach to those who want to eliminate or reduce pesticide use; promote alternative landscaping, native plants, and other practices through community-wide education programs; establish an information clearinghouse on pesticide reduction; and work with existing lawn care providers to offer pesticide-free services to their customers.

## Center for Global and Regional Environmental Research (CGRER)

*Partners:* University of Iowa
Public Utility Trust Fund
Federal, State, and Private Agencies
NASA Grant
*Type:* Basic Research
*Audience:* Iowa College & University Faculty Members
*Web Site:* www.cgrer.uiowa.edu
*Statute:* Iowa Energy Efficiency Act – S.F. 2403
*History:* Funds awarded through the year 2001 come from a utility trust, not the state's general fund. External funding of $4 million annually comes from a broad base including federal, state, and private agencies.

CGRER promotes interdisciplinary efforts that focus on the multiple aspects of global environmental change, including the regional effects on natural ecosystems, environments, and resources, and on human health, culture and social systems. Center membership is composed of interested faculty members at any of Iowa's colleges and universities.

The center supports major curriculum activities and is a select site for Department of Energy Global Change Graduate Fellowships. The center has also received a NASA Environmental Change Earth Systems Science Curriculum Undergraduate Development Grant, making the University one of only 22 universities to be so recognized.

## Center for Health Effects of Environmental Contamination (CHEEC)

*Partnerships:* University of Iowa
Other University Research Centers
Iowa Department of Natural Resources (IDNR)
Iowa Department of Public Health (IDPH)
Iowa Department of Agriculture and Land Stewardship (IDALS)
*Type:* Basic Research
*Web Site:* www.cheec.uiowa.edu
*Statute:* Established through the 1987 Iowa Groundwater Protection Act
www.cheec.uiowa.edu/about.html#Ground

CHEEC supports and conducts research to identify, measure and prevent adverse health outcomes related to exposure to environmental toxins. Its efforts are focused mainly on water contaminants.

## Center for Indigenous Knowledge for Agriculture & Rural Development (CIKARD)

*Partners:* Iowa State University
Farmers
Rural people
*Type:* Technology Transfer
*Audience:* Local communities
Development professionals
Scientists
Scholars
*Web Site:* www.iastate.edu/~anthr_info/cikard/

CIKARD focuses on preserving and using the knowledge of farmers and rural people around the globe to facilitate participatory and sustainable approaches to development. CIKARD records indigenous knowledge in four areas: indigenous innovations, knowledge systems (such as taxonomies), decision-making systems (such as what crops to grow on certain soils), and organizations (such as farmers' groups).

## Center for International Agricultural Finance (CIAF)

*Partners:* Iowa State University
24 foreign countries
*Type:* New Development
*Audience:* Countries transitioning to a market economy
*Web Site:* www.econ.iastate.edu/ciaf

CIAF undertakes educational and developmental tasks in countries transitioning to a market economy by: assisting in the development of market-driven systems of agricultural banking, credit and finance; helping to build legal systems appropriate for market oriented agriculture; and promoting private sector development in agriculture and agribusiness.

## Cooperative Extension

*Partners:* Iowa State University
Iowa State University Extension
USDA Farm Service Agency
Iowa Pork Industry Center
*Type:* Technical Assistance & Information
*Audience:* Farmers
Livestock producers
*Web Site:* www.exnet.iastate.edu/Pages/communications/ag/
*Statute:* Iowa Code §§266.4 – 266.6

ISU extension field specialists are available in every county in Iowa. Information is available on many topics including crops, livestock, farm business management, lawn and garden, value added agriculture, farm safety, forestry, aquaculture, biotechnology and food safety. The number of extension clients served during 1999-2000 was approximately 500,000.

## Council for Agricultural Research, Extension, & Teaching (CARET)

*Partners:* Iowa State University
Data from several government agencies
College of Agriculture
ISU Extension
*Type:* Workforce Development
*Web Site:* www.teachageds.iastate.edu/news/CARET.pdf

CARET assesses how the efforts of the College of Agriculture and ISU Extension impact Iowa jobs and consumers. Focus topics include conserving natural resources, food safety, and competitive agriculture.

## Environmental Issues in Livestock Production Home Study Series

*Partners:* Iowa State University
Iowa State University Extension
Department of Agricultural & Biosystems Engineering
*Type:* Technology Transfer
*Audience:* Livestock producers
Educators
Students
*Web Site:* www.ae.iastate.edu/homestudy.htm
*History:* Developed through an Iowa State University Extension grant

The *Environmental Issues in Livestock Production* home study series was developed for livestock producers, educators, students, and others seeking to better understand potential air and water quality impacts of animal agriculture and to learn more about management practices that can minimize these impacts. This series was developed through an Iowa State University Extension grant, and is part of the Livestock Industry Facilities & Environment (LIFE) project of the Department of Agricultural & Biosystems Engineering.

## Food Safety Consortium (FSC)

*Partners:* Iowa State University
World Health Organization (WHO)
*Type:* New Development
*Audience:* Officials of developing nations
*Web Site:* www.foodsafety.iastate.edu

The FSC conducts research on new ways to maintain and enhance food safety to ensure America will continue to enjoy high quality food in the future. FSC develops technology to identify rapidly contaminants, methods to evaluate potential health risks, risk-monitoring techniques to detect potential hazards in the food chain, and the most effective intervention points to control microbiological or chemical hazards.

ISU is a designated Collaborating Center for the World Health Organization (WHO) for risk assessment and hazard intervention in foods of animal origin. Researchers at the Center provide food safety advice to officials of developing nations who request assistance of the WHO.

## Geological Survey Bureau (GSB)

*Partners:* University of Iowa
Iowa Department of Natural Resources
*Type:* Technical Assistance & Information
*Web Site:* www.igsb.uiowa.edu

The GSB plans and implements programs that result in the acquisition of comprehensive information on the mineral and water resources of the State, with emphasis on water supply developments and monitoring the effects of environmental impacts on water quality.

## Institute for International Cooperation in Animal Biologies (IICAB)

*Partners:* Iowa State University
USDA Animal and Plant Health Inspection Service (APHIS)
OIE Collaborating Centre for the Diagnosis of Animal Diseases And Vaccine Evaluation in the Americas
USDA APHIS National Veterinary Services Laboratories (NVSL)
Center for Veterinary Biologics – Laboratory (CVB-L)

*Type:* Basic Research

*Audience:* Veterinary biologics industry
Government regulatory and research agencies
Universities
Veterinarians
Producers

*Web Site:* www.vm.iastate.edu/iicab/iicab

IICAB improves the availability, safety, efficacy, and use of veterinary biologics (vaccines) throughout the world. Veterinary biologics are a cost-effective method to prevent animal disease, to increase the efficiency of food production, and to increase the availability of high quality protein for human consumption.

IICAB is designated as a component of the OIE Collaborating Centre for the Diagnosis of Animal Diseases and Vaccine Evaluation in the Americas. The designation is shared with the USDA APHIS National Veterinary Services Laboratories (NVSL) and Center for Veterinary Biologics - Laboratory (CVB-L) in Ames.

## Interactive Multimedia Laboratory (IML)

*Partners:* Iowa State University
USDA's Higher Education Challenge Grants Program

*Type:* Technical Assistance & Information

*Audience:* Regents Institute Faculty

*Web Site:* www.vetmed.iastate.edu/depart/iml

IML assists faculty in the development of and training for instructional software to veterinary students.

## Iowa Agriculture & Home Economics Experiment Station

*Partners:* Iowa State University
USDA
*Type:* Basic Research
*Audience:* Producers
Agribusinesses
Rural Communities
Policymakers
*Web Site:* www.ag.iastate.edu/agcoll/exptstation.html

The Experiment Station was established in 1888, the year after Congress passed enabling legislation called the Hatch Act. Several firsts arose out of Experiment Station research, including the nation's earliest social survey of rural communities and establishment of the first statistical laboratory applied to agricultural research. While on an Experiment Station research appointment, John Vincent Atanasoff designed and built the first electronic digital computer.

Today, Experiment Station research serves producers, agribusinesses, rural communities and policymakers. Its scientists work in campus laboratories, on land near Ames, at research and demonstration farms throughout Iowa and in the fields and businesses of private citizens. The station supports approximately 360 projects involving scientists from about 30 departments.

## Iowa 4-H Foundation (4-H)

*Partners:* Iowa State University
Iowa 4-H Foundation
National 4-H Council
ISU Foundation
*Type:* Technical Assistance & Information
*Audience:* Rural youth
*Web Site:* www.exnet.iastate.edu/Pages/y4h/4h/

Club work for rural youth was organized many years before the term "4-H" or before the four-leaf clover emblem was used. The 4-H emblem is one of the most highly recognized logos in the world. The 4-H pledge: "My **Head** to clearer thinking, My **Heart** to greater loyalty, My **Hands** to larger service, My **Health** to better living, For my club, my community, my country, and my world." The Foundation's purpose is to assist Iowa's youth in becoming productive, self-directed, contributing members of society.

## Iowa Beef Center (IBC)

| | |
|---|---|
| *Partners:* | Iowa State University (ISU)<br>U.S. Department of Agriculture<br>Commodity Groups |
| *Type:* | Technical Assistance & Information |
| *Audience:* | Beef cattle industry |
| *Web Site:* | www.ibc.iastate.edu/ |

IBC serves as the central contact point for information, including teaching, research, and service, for the beef cattle industry at ISU and for the state. IBC integrates ISU resources and programs with commodity, agricultural, and government organizations to maximize opportunities for the beef industry.

## Iowa Grain Quality Initiative (IGQI)

| | |
|---|---|
| *Partners:* | Iowa State University<br>Iowa Corn Promotion Board<br>Iowa Soybean Promotion Board |
| *Type:* | Basic Research |
| *Audience:* | Grain market decision-makers |
| *Web Site:* | www.exnet.iastate.edu/Pages/grain/ |
| *Statute:* | Chapter 216 §1(f), 1995 Acts |

IGQI is a cutting edge grain quality research and information program. The IGQI's mission is to increase economic returns to Iowa agriculture by creating a long-term vision with supporting assistance for sustainable growth in markets for user-specific grains.

## Iowa Manure Management Action Group (IMMAG)

*Partners:* Iowa State University
Natural Resources Conservation Service
Iowa Environmental Council
Agribusiness Association of Iowa
Iowa Farm Bureau
Iowa Pork Producers Association
Iowa Cattlemen's Association
Iowa Poultry Association
Conservation Districts of Iowa
Farm Credit Services of America
Iowa Department of Natural Resources
Iowa Department of Agriculture and Land Stewardship
Dairy Quality Assurance Center
Iowa Beef Center
Iowa Pork Industry Center

*Type:* Technical Assistance & Information

*Audience:* Producers
Technical agencies
Educational institutions
Researchers
General Public

*Web Site:* www.extension.agron.iastate.edu/immag/

IMMAG identifies and shares manure management information and educational programs used by producers, technical agencies, educational institutions, researchers, and the general public.

## Iowa Pork Industry Center (IPIC)

*Partners:* Iowa State University
Iowa State University Extension
Pork Producers

*Type:* Basic Research

*Audience:* Pork Producers

*Web Site:* www.extension.iastate.edu/ipic/

IPIC promotes efficient pork production technologies in Iowa, maintains Iowa's pork industry leadership, and strengthens rural development efforts. Iowa State University Extension campus and field staff members provide a variety of outreach opportunities to connect IPIC and the state's pork producers.

## Iowa Social Sciences Institute – Data Archive

*Partners:* The University of Iowa
Inter-University Consortium for Political and Social Research
Association of Public Data Users
Federal Bureau of the Census
*Type:* Technical assistance and information (Environment)
Audience: University researchers, general public
*Web Site:* www.uiowa.edu/~issi

This is the largest data archive in the state. It maintains a vast array of machine-readable social science datasets for secondary analysis. It is an excellent source of new information about federal statistical data. The Archive is a repository for dicennial data from the Bureau of the Census as a coordinating agency in the Bureau's State Data Center.

## Iowa State Water Resources Research Institute (ISWRRI)

*Partners:* Iowa State University
University of Iowa
University of Northern Iowa
Leopold Center
USDA
Environmental Protection Agency
U.S. Geological Survey
Iowa Department of Natural Resources
Pheasants Forever
*Type:* Technology Transfer
Audience: Regent universities
Students
*Web Site:* www.water.iastate.edu/

ISWRRI conducts interdisciplinary research, education and outreach programs at the three Regent universities to unify efforts that focus on critical water issues and policies. A graduate program in water resources is offered at ISU.

## ISU Research and Demonstration Farms (ISU RDF)

*Partners:* Iowa State University
Iowa State University Extension
USDA National Resource and Conservation Service
USDA National Soil Tilth Laboratory
Several Iowa Community Colleges
*Type:* Technology Transfer
*Audience:* Farmers
*Web Site:* www.ag.iastate.edu/farms/

Land, climate, and agricultural enterprises vary considerably from one area of the state to another. To find solutions to problems in each area and to study the impacts of regional differences, the Experiment Station puts researchers in the fields of research farms across Iowa. Scientists assess the influence of soil differences and climate on agricultural practices by conducting similar experiments at several research farms. The Experiment Station publishes research results in annual reports. Extension specialists use the reports in meetings, pamphlets, news stories and broadcasts. Local farmers can observe experiments firsthand and learn about the latest findings.

## Leopold Center for Sustainable Agriculture (LCSA)

*Partners:* Iowa State University
University of Iowa
University of Northern Iowa
Iowa private colleges and universities
Iowa Department of Agriculture and Land Stewardship
Iowa Department of Natural Resources
Farmers
*Type:* New Development
*Audience:* Rural Communities
Farmers
*Web Site:* www.ag.iastate.edu/centers/leopold/
*History:* Established by the Iowa Legislature in 1987 as part of the Iowa Ground Protection Act and named for conservationist Aldo Leopold
*Statute:* §266.39, Iowa Code

LCSA conducts research on the environmental and socioeconomic impacts of farming practices to help develop profitable farming systems that preserve the productivity and quality of natural resources and the environment.

LCSA is located at Iowa State University and has three primary objectives: to identify and reduce negative impacts of agriculture on natural resources and rural communities; to develop profitable farming systems that conserve natural resources; and to work with ISU Extension and other groups to inform the public of new research findings.

## Meat Export Research Center (MERC)

*Partners:* Iowa State University
Federal
Utilization Center for Agricultural Products
*Type:* New Development
*Audience:* Researchers in: Meat science
Economics
Sociology
Microbiology
Marketing
Food science
Transportation and logistics
Political science
*Web Site:* www.ncteaching.iastate.edu/centers/merc/
*Statute:* §266.31, Iowa Code

Meat Export Research Center (MERC) was established in 1984 to support the expansion of exports of U.S. meat and meat products and aid in the development of a stronger agricultural economy.

Research is conducted in the following areas:

- Market identification and assessment
- Product evaluation and product and process development
- Demographics and cultural preferences
- Trade barriers and public policy assessment

## Midwest Agribusiness Trade Research and Information Center (MATRIC)

*Partners:* Iowa State University
Greater Des Moines Partnership
U.S. Department of Agriculture (USDA)
U.S. Agency for International Development (USAID)
Producer groups
*Type:* New Development
*Audience:* U.S. businesses
*History:* Established by a grant from USDA in 1987
*Web Site:* www.card.iastate.edu/matric/

MATRIC provides assistance to U.S. businesses in developing and expanding into international markets for agricultural products and services by providing assessments of agricultural policy impacts, analyses of country and product markets, evaluations of foreign government policies.

## NASA Food Technology Commercial Space Center (FTCSC)

*Partners:* Iowa State University
Alliant Energy
EnzyMed, Inc.
Equity Dynamics Inc.
Grain Processing Corporation
Meredith Corporation
Mid-American Energy
Corporate Partners
NASA

*Type:* New Development

*Audience:* NASA
Commercial companies
Academic researchers

*Web Site:* www.ag.iastate.edu/centers/ftcsc/

*History:* Established in February 1988

Established in 1988, the NASA Food Technology Commercial Space Center leads a national effort in developing foods and food-processing technologies that enhance space missions and advance commercial food products. Targeted issues are nutrition, food safety, and the need to meet space mission constraints of mass, power, volume, reliability and crew time requirements.

## North Central Regional Aquaculture Center (NCRAC)

*Partners:* Iowa State University
Michigan State University
USDA

*Type:* Basic Research

*Web Site:* www.ag.iastate.edu/departments/aecl/ncrac.htm

*History:* In 1981, Congress amended the National Agricultural Research, Extension, and Teaching Policy Act by granting authority to establish aquaculture research, development, and demonstration centers in the United States. Five such centers have been established.

NCRAC was established in February 1988. It serves as a focal point to assess needs, establish priorities, and implement research and extension educational programs in the twelve-state agricultural heartland of the United States.

## North Central Regional Center for Rural Development (NCRCRD)

*Partners:* Iowa State University
Land-Grant Universities of the North Central Region
U.S. Department of Agriculture
Private Foundations
*Type:* Technical Assistance & Information
*Audience:* Rural leaders
*Web Site:* www.ag.iastate.edu/centers/rdev/

The mission of the NCRCRD is to initiate and facilitate rural development research and education programs to improve the social and economic well-being of rural people in the region. The NCRCRD also provides leadership in rural development regionally and nationally by identifying, developing and supporting programs on emerging issues.

## North Central Regional Plant Introduction Station (NCRPIS)

*Partners:* Iowa State University
USDA-ARS
Agricultural Experiment Stations of the 12 North Central States
*Type:* Basic Research
*Audience:* Plant Scientists
*Web Site:* www.ars-grin.gov/ars/MidWest/Ames/

Founded in 1948 as one of four regional centers, the station maintains seed (germplasm) collections of 30,000 individual lines. The station has three basic activities: to grow and store seed to maintain viability of the collection, to conduct research and to serve as a distribution center for plant scientists.

## Office of Biotechnology

*Partners:* Iowa State University
Private individuals
Gifts and Grants from Corporations and Foundations
K-12
*Type:* New Development
*Audience:* Graduate students
Faculty
K-12 educators
Extension educators
*Web Site:* www.biotech.iastate.edu/

The Office of Biotechnology coordinates programs for biotechnology research, education and outreach. The Office provides funds for research, graduate fellowships and faculty development on a university-wide basis. An active outreach education program provides the training and resources needed for Iowa's K-12 and extension educators to help young people and adults understand the science behind new biotechnology products such as DNA fingerprinting.

## Office of the State Archaeologist

*Partners* The University of Iowa
Iowa Department of Transportation
Rock Island District Corps of Engineers
County Conservation Boards
Department of Natural Resources
Iowa County Transportation Engineers
Meskwakai Tribe
Numerous Private Corporations and Engineering Consulting Firms
State Preserves Advisory Board
State Historical Society

*Type*: Basic research and technical assistance and information (Environment and Education)

*Audience*: Public entities concerned with preserving knowledge of Iowa's prehistory and history; general public; school children

*Web Site*: www.uiowa.edu/~osa

The Office of the State Archaeologist's mission is to develop, disseminate, and preserve knowledge of Iowa's prehistory and history through archaeological research, service, and education. The Office conducts basic and applied research and collections curation. The Office coordinates public involvement in archaeology through such means as teacher workshops, school and conservation center programs, and support of the Iowa Archeological Society.

## Pizz-A-Thon

*Partners:* Iowa State University
Junior Achievement

*Type:* Workforce Development

*Audience:* Students

*Web Site:* www.ag.iastate.edu/departments/aged/outreach/pizza

Pizz-A-Thon instructors engage students in skill building and high level thinking with experiences involving science, math, natural resources, food safety and agriculture. Students learn about careers in the food, fiber and natural resources fields.

## Plant Sciences Institute (PSI)

*Partners:* Iowa State University
State of Iowa
Private Gifts and Endowments
Federal and Private Research Grants
Private Industry
Public Agencies

*Type:* Basic Research

*Audience:* Universities
Government research agencies
Live sciences companies

*Web Site:* www.plantsciences.iastate.edu/

Iowa State University is establishing a world-class Plant Sciences Institute that brings together the best minds in the world in a collaborative program of academic, government and private sector research and technology transfer.

PSI includes a group of centers, each focused on specific areas of the plant sciences. Faculty and staff in about a dozen departments at Iowa State are involved, primarily in the Colleges of Agriculture, Engineering, and Liberal Arts and Sciences.

CENTERS:

1. Center for Plant Genomics (CPG)

2. Laurence H. Baker Center for Bioinformatics & Biological Statistics (CBBS)
   www.math.iastate.edu/danwell/CBBS/cbbs

3. Center for Plant Transformation and Gene Expression (CPTGE)

4. Raymond F. Baker Center for Plant Breeding (CPB)

5. Center for Designer Crops (CDC)

6. Center for Plant Responses to Environmental Stresses (CPRES)
   www.plantstress.iastate.edu/

7. Seed Science Center (SSC)
   *Web Site:* http://www.ag.iastate.edu/centers/seeds

8. Center for Crops Utilization Research (CCUR)
   *Web Site:* www.ag.iastate.edu/centers/ccur/

## Recycling and Reuse Technology Transfer Center (RRTTC)

*Partners:* University of Northern Iowa
*Type:* Technology Transfer
*Audience:* Undergraduate students
Recycling & reuse community
*Web Site:* www.rrttc.uni.edu

RRTTC provides assistance with recycling of waste products through targeted research projects, experiential education of undergraduate students, and outreach to the solid waste recycling and reuse community.

## Rural Data Project (RDP)

*Partners:* Iowa State University
Iowa PROfiles
Public Resources Online
*Type:* Technical Assistance & Information
*Audience:* Community policymakers
*Web Site:* www.econ.iastate.edu/outreach/community/rdp.html
*History:* Initiated in 1990 by the Agriculture and Home Economics Experiment Station and Extension to Communities at Iowa State University.

The mission of the RDP is to locate, document, acquire, and disseminate locally relevant data and information in a format that facilitates its use in community policy analysis, planning, and change in Iowa's rural areas.

The RDP's major information outlet is Iowa PROfiles, Public Resources Online. This web site provides current economic and demographic information for every community and county in Iowa and every county in the states surrounding Iowa. In addition, information on transportation, natural resources, and recreational resources is included as available.

## Rural Policy Research Institute (RUPRI)

*Partners:* Iowa State University
University of Nebraska
University of Missouri
Other Private and Public Universities
*Type:* Technical Assistance & Information
*Audience:* Policymakers
*Web Site:* www.rupri.org/

The Rural Policy Research Institute (RUPRI) conducts policy-relevant research and facilitates public dialogue to assist policymakers in understanding the rural impacts of public policies and programs. Many policies which are not explicitly "rural policies" nevertheless have substantial implications for rural areas, and RUPRI is dedicated to understanding and articulating these implications.

## School of the Wild In the Macbride Nature Recreation Area

*Partners:* University of Iowa (College of Education)
Corps of Engineers
U.S. Environmental Protection Agency
*Type:* Workforce development (Environment and Education)
*Audience:* Iowa school children

The School of the Wild has been accredited by the North Central Association as a special function school, the first environmental education school in Iowa. More than 2,900 school children participate in the School each year.

## Teachers Academy on Ag Awareness (TAAA)

*Partners:* Iowa State University
Commodity groups in Iowa
Iowa Farm Bureau Federation
*Type:* Technical Assistance & Information
*Audience:* K – 12 Teachers

TAAA holds an academy each summer which focuses on instructing teachers across the state of Iowa how to introduce agriculture in every subject matter that is taught. The partners provide everything from scholarships for teachers to instructional materials.

## Tug-of-War with GRAIN

*Partners:* Iowa State University
Farm Safety 4 Just Kids and Safe Farm (ISU Extension)
4-H Foundation
Iowa Department of Agriculture and Land Stewardship
Iowa State University Extension
Iowa State College of Agriculture
*Type:* Technical Assistance & Information
*Audience:* Middle school & High school-aged youth
*Web Site:* www.exnet.iastate.edu/Pages/communications/tugofwar
*History:* The project was funded by a grant from the Iowa 4-H foundation

Tug-of-War with Grain is a series of four 30-minute activities for middle school and high school-aged youth. The activities help students strengthen critical thinking skills and see math and science concepts at work in their daily lives. Activities in the curriculum are designed to answer many real-world questions by applying scientific principles---such as force, resistance, pressure, velocity and friction---to a key farm danger, grain entrapment.

## UI Museum of Natural History

*Partners*: University of Iowa; Area Agency Agencies; History Center of Linn County;
Local Natural History Organizations; Misc. Social Groups; American
Association of Museums; Image Permanence Institute

*Type*: Technical assistance and information; workforce development (Environment and Education)

*Audience*: General public; elementary and middle school students

*Web Site*: www.uiowa.edu/~nathist/

UI Museum of Natural History was established in 1858 by an act of the General Assembly. It is the oldest university museum west of the Mississippi River and the second oldest museum of any kind in the West. The Museum sponsors an annual series of lectures and field trips in addition to supporting schools statewide, both public and private, in their educational outreach efforts.

## Utilization Center for Agricultural Products (UCAP)

*Partners:* Iowa State University
Agriculture Industry

*Type:* New Development

*Audience:* Industrial Firms
Policymakers

*Web Site:* www.ag.iastate.edu/centers/ucap/

The Utilization Center for Agricultural Products' (UCAP) mission is to expand the use of agricultural commodities and by-products.

## Veterinary Medicine Extension (VME)

| | |
|---|---|
| *Partners:* | Iowa State University<br>Iowa Pork Producers Association<br>National Pork Producers Council<br>Iowa Cattlemen's Association<br>National Cattlemen's Beef Association<br>Iowa Turkey Federation<br>Iowa Poultry Association<br>Iowa Farm Bureau Federation<br>Iowa Veterinary Medical Association |
| *Type:* | Technical Assistance & Information |
| *Audience:* | Veterinarians<br>Livestock producers<br>Companion animal owners<br>Animal related clientele |
| *Web Site:* | www.vetmed.iastate.edu/depart/exten |

VME brings the benefits of veterinary medicine to society by promoting animal health and public health through the on-going education of veterinarians and the dissemination of relevant animal production and animal welfare information to veterinarians, livestock producers, companion animal owners, and related clientele.

Major activities of VME are providing support for practitioners on problem cases, educational programs for livestock producers and animal owners, specific livestock educational programs, and formal continuing educational programs for private practitioners.

## Veterinary Medical Research Institute (VMRI)

| | |
|---|---|
| *Partners:* | Iowa State University<br>National and State Agencies<br>Private Industry and Producer Groups |
| *Type:* | Basic Research |
| *Audience:* | Livestock producers |
| *Web Site:* | www.vetmed.iastate.edu/depart/centers/VMRI |
| *History:* | Currently have active grants from national and state agencies, private industry and producer groups. |

VMRI conducts sustained, long-term, basic and applied research on animal health issues of major importance to producers and consumers, and provides research training in the veterinary and biomedical sciences.

## World Health Organization Collaborating Center

*Partners:* Iowa State University
World Health Organization
*Type:* Technology Transfer
*Audience:* Officials of developing nations
*Web Site:* www.vetmed.iastate.edu/depart/centers/centerWHO

ISU is a designated Collaborating Center for the World Health Organization (WHO) for risk assessment and hazard intervention in foods of animal origin. The WHO is an international organization, which functions to attain the best possible health of all people. Researchers at the ISU Center provide food safety advice to officials of developing nations who request assistance of the WHO. WHO headquarters are in Geneva, Switzerland.

# HEALTH

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## HEALTH

### Indigent Care Program

*Partners*: The University of Iowa
State of Iowa and all 99 counties
*Type*: Health
*Audience*: Indigent patients, county general relief directors, state officials

Provide free medically-indicated care at the University of Iowa Hospitals and Clinics to indigent Iowans authorized to receive this service by their counties.

### College of Nursing – Program RN-BSN

*Partners*: Community Colleges Serving the following communities:
Fort Dodge, Calmar (starting May 2001), Mason City, Emmetsberg,
Spencer and Sheldon
*Type*: Workforce development (Health)
*Audience*: Community College Graduates with RN

The College of Nursing, at the request of the local Community College, provides ICN courses for individuals who have completed their RN licensure. These courses will enable individuals to complete a BSN degree.

## Health Policy Research Program, Public Policy Center

*Partners*: University of Iowa
Iowa Department of Human Services
RAND Corp.
Pennsylvania State University
Iowa Department of Public health
HAWK-I Board of Directors
National Institutes of Health
U.S. Bureau of Maternal and Child Health

*Type*: Applied Research and Technical Assistance (Health)

*Audience*: Iowa Department of Human Services
U.S. Health Care Financing Administration (HCFA)
Iowa Health Plans
Iowa Medicaid Enrollees
Iowa General Assembly
Iowa Department of Personnel
State of Iowa Employees
U.S. Agency for Healthcare Research and Quality
Iowa Title V Clinics
Iowa Families

*Web Site*: www.uiowa.edu/~ppc

The Health Policy Research Program provides extensive research support to the Iowa Department of Human Services, the Iowa Department of Public Health, and the HAWK-I program (a legislatively-mandated program to improve access to health care of targeted Iowa children). It also works with legislative committees and the Iowa Department of Personnel on the efficacy of alternative health insurance programs for state employees.

## Ames/ISU Ice Arena

*Partners:* Iowa State University
City of Ames
Ames Minor Hockey Association
Private Donors

The Ames/ISU Ice Arena is used by ISU men's and women's hockey teams, intramural hockey and broomball, figure skating, and youth and adult hockey programs. Ames Parks and Recreation and the ISU Department of Health and Human Performance also use it for programs and classes.

## Cancer Registry of Iowa (CRI)

*Partners:* University of Iowa
National Cancer Institute
Surveillance, Epidemiology, and End Result (SEER)
National Cancer Institute's Cancer Statistics Review
World Health Organization's Cancer Incidence in Five Continents
*Type:* Basic Research
*Web Site:* www.public-health.uiowa.edu/shri/

CRI compiles data about all cancers occurring throughout Iowa and provides information on the extent and nature of specific types of cancer in Iowa. Data collected through the SEER registries are published in the National Cancer Institute's Cancer Statistics Review and combined with data from other nations for publication in the World Health Organization's Cancer Incidence in Five Continents.

## Center for Advanced Drug Development (CADD)

*Partners:* University of Iowa
University of Iowa Hospitals and Clinics (UIHC)
Iowa Drug Information Network (IDIN)
*Type:* Basic Research
*Web Site:* www.uiowa.edu/~cadd

CADD collaborates with UIHC and IDIN to perform the full range of drug development processes including high quality pharmaceutical trials. CADD addresses a crucial economic need to shorten the lead time between new pharmaceutical discoveries and commercialization in the marketplace.

## Center for Biocatalysis and Bioprocessing (CBB)

| | |
|---|---|
| *Partners:* | University of Iowa<br>National Science Foundation (NSF)<br>National Institute of General Medical Sciences (NIGMS)<br>National Institutes of Health (NIH)<br>State of Iowa |
| *Type:* | Technology Transfer |
| *Audience:* | Doctoral students |
| *Web Site:* | www.uiowa.edu/~biocat/ |
| *History:* | Funding from the State of Iowa |

The CBB serves as the primary contract research facility for biocatalysis and bioprocessing in the state of Iowa. CBB laboratories are an essential link in technology transfer and provide unmatched fermentation, biocatalysis, and bioprocessing facilities and equipment for the conduct of multidisciplinary industry/academic research.

Each year, the CBB offers fellowships in biotechnology that are funded by grants from the NSF, NIGMS, NIH and the CBB with funding from the State of Iowa. The CBB awards the fellowships to doctoral students in biochemistry, biological sciences, chemical and biochemical engineering, chemistry, civil and environmental engineering, medicinal and natural products chemistry, and microbiology.

## Center for Gene Therapy of Cystic Fybrosis & Other Genetic Diseases

| | |
|---|---|
| *Partners:* | University of Iowa<br>NIH/NIDDK<br>NHLBI<br>Cystic Fibrosis Foundation<br>Midwest Regional CF Lung Tissue Acquisition Program<br>University of Minnesota<br>Barnes-Jewish Hospital/Washington University<br>University of Nebraska Medical Center<br>University of Wisconsin Children's Hospital<br>University of Colorado Health Science Center<br>Loyola University Medical Center<br>St. Paul Medical Center<br>Iowa Statewide Organ Procurement Organization (ISOPO)<br>St Paul's Hospital in Vancouver<br>University of Toronto Hospital for Sick Children<br>University of Montreal |
| *Type:* | Basic Research |
| *Web Site:* | www.genetherapy.genetics.uiowa.edu/ |

The Iowa Center for Gene Therapy promotes research and training on gene therapy approaches for treating cystic fibrosis and other devastating inherited diseases.

## Center for Health Effects of Environmental Contamination (CHEEC)

*Partners:* University of Iowa
Iowa Department of Natural Resources
Iowa Department of Public Health
Iowa Department of Agriculture and Land Stewardship
*Type:* Basic Research
*Web Site:* www.cheec.uiowa.edu/
*Statute:* §263.17, Code of Iowa

CHEEC supports and conducts research to identify, measure and prevent adverse health outcomes related to exposure to environmental toxins.

## Center for Health Services Research (CHSR)

*Partners:* University of Iowa
Other Universities
State Government
Professional & Provider Associations
Policy & Planning Groups
Insurance Organizations
Health Delivery Institutions
Health Services Research Community
*Type:* Technical Assistance & Information
*Web Site:* www.public-health.uiowa.edu/hmp/center/

CHSR is the University-wide focal point for a broad-based program of health service research. Faculty and staff from colleges and departments throughout the University investigate the organization, delivery, efficacy, and financing of health care services. The Center promotes links among health organizations throughout the Midwest. CHSR also fosters frequent exchange with other universities, state government, professional and provider associations, policy and planning groups, insurance organizations, health delivery institutions, and other members of the health services research community.

## Center for International Rural and Environmental Health (CIREH)

*Partners:* University of Iowa
*Type:* Basic Research
*Web Site:* www.public-health.uiowa.edu/Cireh/

CIREH fosters interdisciplinary rural and environmental research into the causes, consequences, and prevention of communicable, chronic, environmental, and occupational diseases.

## Center for Public Health Practice (CPHP)

*Partners:* University of Iowa
*Type:* Technical Assistance & Information
*Audience:* Public Health Practitioners at all levels

CPHP links academic and research activities of the College of Public Health with public health practitioners at the local, state, federal, and international levels. Special emphasis is placed on assuring maximum practitioner participation in College educational programs, developing effective practice site relationships, and supporting communities through technical assistance and research.

## Center on Aging (COA)

*Partners:* University of Iowa
Iowa State University
University of Northern Iowa
State of Iowa
Elderly Services Agency
NIH/National Institute on Aging
The Robert Wood Johnson Foundation
Palmer College of Chiropractic
Regional Health Education Center
University of Osteopathic Medicine & Health Sciences
Liberty Country Living

*Type:* Technical Assistance & Information

*Audience:* Aging Population
Policy Makers
Program Managers
Services Providers
Clinicians
General Public

*Web Site:* www.uiowa.edu/~centrage/

COA serves as a university-wide focal point on aging that promotes interdisciplinary research, education, and service efforts dedicated to understanding the aging process and addressing the needs of an aging population. The center also provides information to policy makers, program managers, services providers, clinicians, and the general public.

## Clinical Trials Data Management Center (CTDMC)

*Partners:* University of Iowa
University of Iowa Hospitals and Clinics
*Type:* Basic Research
*Web Site:* www.ctdmc.public-health.uiowa.edu/

CTDMC provides an infrastructure for the development, conduct, management, administration, and statistical analysis of clinical trials. Specific areas of expertise include clinical data management, case report form design, database design, and biostatistical analysis. CTDMC also monitors functions related to protocol compliance, safety issues, as well as data accuracy and completeness in all trials.

## Environmental Health Sciences Research Center (EHSRC)

*Partners:* University of Iowa
National Institute of Environmental Health Sciences (NIEHS)
*Web Site:* www.public-health.uiowa.edu/ehsrc/

EHSRC is the only NIEHS center in the rural Midwest and the only center to focus on rural environmental exposures and related injuries and diseases. EHSRC also serves as a core center for other environmental programs at the University as well as a technical resource to the State of Iowa, the region, the nation, and internationally in the area of agricultural and rural environmental health.

## Great Plains Center for Agricultural Health (GPCAH)

*Partners:* University of Iowa
National Institute for Occupational Safety & Health Agricultural Centers
*Type:* Technology Transfer
*Audience:* Agricultural workers and their families
*Web Site:* www.public-health.uiowa.edu/GPCAH/

GPCAH is dedicated to finding ways to prevent occupational disease and injury among agricultural workers and their families. The Center conducts multidisciplinary research, develops and evaluates disease and injury prevention models, trains health professionals, provides technical assistance and maintains linkages with agricultural and safety professionals in the region.

## Hygienic Laboratory

*Partners:* University of Iowa
Iowa Department of Natural Resources
Iowa Bureau of Labor
Iowa Department of Public Health
Iowa Department of Justice
U.S. Environmental Protection Agency (EPA)
Centers for Disease Control and Prevention (CDC)
U.S. Geological Survey (USGS)
National Institute for Occupational Safety and Health (NIOSH)
Health and Medical Professionals
Public Water Supplies
Wastewater Treatment Facilities
Citizens of Iowa

*Type:* Technical Assistance & Information

*Audience:* Health care providers
Environmental policymakers
Legislators
Individual Citizens

*Web Site:* www.uhl.uiowa.edu/

*Statute:* §263.7, Code of Iowa

The Hygienic Laboratory provides unbiased scientific information to health care providers, environmental policymakers, legislators and individual citizens.

## Injury Prevention Research Center (IPRC)

*Partners:* University of Iowa
National Center for Injury Prevention and Control--Centers for Disease Control and Prevention

*Type:* Technical Assistance & Information

*Audience:* Rural populations
Policy makers

*Web Site:* www.public-health.uiowa.edu/IPRC/

The theme of the Iowa Center is prevention and control of rural injuries. The IPRC aims to prevent and control injuries in high risk rural populations by supporting research and training and by disseminating research results to policy makers.

## Institute for Quality Health Care (IQH)

*Partners:* University of Iowa
The Robert Wood Johnson Foundation
Membership Roster too numerous to list
*Type:* Technical Assistance & Information
*Audience:* Healthcare Providers
*Web Site:* www.uihealthcare.com/DeptsClinicalServices/

IQH is a regional consortium of health care organizations dedicated to the cooperative enhancement of quality patient care. IQH provides services and support to healthcare providers that enable and promote the advancement of health care quality in the communities they serve.

## Institute for Rural and Environmental Health (IREH)

*Partners:* University of Iowa
*Type:* Technical Assistance & Information
*Audience:* Rural Populations
*Web Site:* www.public-health.uiowa.edu/IREH/

IREH is an internationally recognized center for research and education in rural and environmental health with special emphasis on adverse health effects that threaten agricultural and other rural populations.

## Iowa Birth Defects Registry (IBDR)

*Partners:* University of Iowa
Iowa Department of Public Health
Iowa Department of Human Services
*Type:* Basic Research
*Web Site:* www.public-health.uiowa.edu/BirthDefects/

IBDR is a statewide reporting system that uses multiple sources to identify and monitor information about birth defects in Iowa.

## Iowa Center for Agricultural Safety and Health (I-CASH)

*Partners:* University of Iowa
Iowa State University
Iowa Department of Public Health
Iowa Department of Agriculture and Land Stewardship

*Audience:* Farm families
Farm workers
General rural and agricultural community

*Web Site:* www.public-health.uiowa.edu/ICASH/index.html/

*Statute:* Iowa Code §135.107 and §263.17

I-CASH coordinates and focuses public and private resources in Iowa to establish service, education, and prevention programs to enhance the health and safety of farm families, farm workers and the general rural and agricultural community. I-CASH also identifies agricultural safety and health hazards and prioritizes them for preventive programming.

## Iowa Consortium for Mental Health Services Training & Research

*Partners:* UI College of Medicine
Iowa State University
University of Northern Iowa
Iowa Department of Human Services
Iowa Association of Community Providers
Iowa Chapter--National Alliance for the Mentally Ill (NAMI-
Substance Abuse and Mental Health Services Administration (SAMHSA) block grant to the state.

*Type:* Basic Research

This consortium conducts and supports mental health services research focusing on the occurrence, recognition and treatment of serious mental illness in the community, with special interest centered in rural areas.

## Iowa Consortium for Substance Abuse Research & Evaluation (ICSARE)

*Partners:* Researchers from all Regent institutions
State Government
Private treatment programs
Governor's Alliance on Substance Abuse
Iowa Department of Education
Iowa Department of Health and Human Services
U.S. Department of Health and Human Services – Substance Abuse and Mental Health Services Administration
*Type:* Technical Assistance & Information
*Web Site:* www.uiowa.edu/~vpr/research/organize/subabuse.htm/

ICSARE is a multi-center organization for the promotion and dissemination of research and evaluation on substance abuse and the integration of substance abuse research with public policy, prevention, and intervention practice in Iowa.

## Iowa Drug Information Service (IDIS)

*Partners:* University of Iowa
*Audience:* Pharmacists
Health care providers
*Web Site:* www.uiowa.edu/~idis/

IDIS stimulates the effective use of drug information resources and promotes better patient care through rational drug therapy. This service was established to meet the drug information needs of pharmacists and other health care providers. IDIS staff generate and distribute a monthly database providing access to information on drugs and human drug therapy found in the literature of leading medical and pharmaceutical journals.

## Iowa Geriatric Education Center (IGEC)

*Partners:* University of Iowa
Des Moines University Osteopathic Medical Center
Palmer Chiropractic College
Regional Health Education Center
Liberty Country Living
National Association of Geriatric Centers
Other states
U.S. Department of Health and Human Services
U.S. Health Resources and Services Administration
U.S. Bureau of Health Professions

*Type:* Technical Assistance & Information

*Web Site:* www.its.uiowa.edu/gec/

IGEC represents a consortium of five institutions that meet statewide needs in geriatric training and education.

## Iowa Spine Research Center (ISRC)

*Partners:* University of Iowa
Numerous Public and Private Agencies
Numerous Industrial Collaborators
Numerous Universities Nationwide

*Type:* Basic Research

*Audience:* Students
Residents
Fellows in spine biomechanics & medicine

*Web Site:* www.engineering.uiowa.edu/~isrc/

ISRC creates new knowledge in basic and applied areas of spine research and also educates students, residents, and fellows in spine biomechanics and medicine.

## Lipid Research Center (LRC)

*Partners:* University of Iowa

*Type:* Basic Research

*Web Site:* www.uiowa.edu/~vpr/research/organize/lipid/

LRC researches: clinical trials methodology, familial aspects of coronary risk factors, diabetes, lipid metabolism and intervention, preventive cardiology, hormone replacement therapy, and osteoporosis.

## Midwest AIDS Training and Education Center (MATEC)

*Partners:* University of Iowa
Six-state consortium: IA, IL, IN, MN, MO, and WI
U.S. Public Health Service-Health Resources & Services Admin
*Type:* Technical Assistance & Information
*Audience:* Primary care providers
*Web Site:* www.uiowa.edu/~vpr/research/organize/matec.htm/

MATEC develops and conducts multidisciplinary training and education programs for primary care providers who counsel, diagnose, and manage persons with AIDS and other conditions related to infection with the Human Immunodeficiency Virus (HIV).

## National Cancer Center

*Partners:* National Cancer Institute (NCI)
University of Iowa Cancer Center
*Type:* Basic Research
*Audience:* Cancer patients

The University of Iowa Cancer Center has been officially recognized by the National Cancer Institute (NCI) as an NCI-designated cancer center, a mark of distinction given to a select group of cancer centers nationwide. As an NCI-designated cancer center, the UI Cancer Center has even greater ability to collaborate with researchers and specialists from other NCI institutions to share findings and advancements in the treatment and understanding of cancer. These relationships enrich the UI Cancer Center's multidisciplinary approach, and ultimately benefit Iowa patients who have more access to the latest treatments through clinical trials developed here and at other centers around the country.

## National Center for Voice and Speech (NCVS)

*Partners:* University of Iowa
Denver Center for the Performing Arts
University of Utah
University of Wisconsin-Madison
National Institutes of Health--National Institute on Deafness and Other Communication Disorders
*Type:* Basic Research
*Audience:* Research colleges
Clinicians
General public
*Web Site:* www.ncvs.org/

NCVS is an inter-disciplinary, multi-site team of investigators dedicated to studying the powers, limitations and enhancement of human voice and speech, as well as disseminating their findings to research colleges, clinicians, and the general public.

## Preventative Intervention Center (PIC)

*Partners:* University of Iowa
Clinical Research Center, UIHC
National Institutes of Health
University of California at San Francisco
Merck and Company
Wyeth-Ayerst Laboratories

*Type:* New Development

*Web Site:* www.public-health.uiowa.edu/pic/

PIC is an academic resource to facilitate studies that evaluate the effectiveness of new modalities designed to prevent occurrence and progression of disease.

## Statewide Family Practice Training Program (SFPTP)

*Partners:* Mercy Medical Center, Cedar Rapids
St. Luke's Hospital, Cedar Rapids
Genesis Medical Center, Davenport
Broadlawns Medical Center, Des Moines
Iowa Lutheran Hospital, Des Moines
Des Moines General Hospital
University of Iowa Hospitals and Clinics, Iowa City
Mercy, Iowa City
Mercy Medical Center – North Iowa, Mason City
Mercy Medical Center, Sioux City
St. Luke's Regional Medical Center, Sioux City
Allen Memorial Hospital, Waterloo
Covenant Medical Center, Waterloo
Family Practice Centers – patient fees
State Grants
Health and Human Services Grants
Community Hospitals

*Type:* Technology Transfer

*Audience:* Newly graduated physicians

SFPTP provides opportunities for newly graduated physicians to continue training through Iowa community-based residencies in family practice. Residents train under the supervision of clinical instructors who already practice in the community.

## Telemedicine Resource Center (TRC)

*Partners:* University of Iowa
National Library of Medicine
Agency for Health Care Policy and Research
*Type:* Technical Assistance & Information
*Audience:* Project directors
Faculty & staff of remote site health services delivery
*Web Site:* www.telemed.medicine.uiowa.edu/

TRC is the administrative entity that oversees and coordinates the National Laboratory for the Study of Rural Telemedicine. Staff from the TRC provide ongoing and just-in-time support for project directors as well as other faculty and staff who are involved in the delivery of health services to remote sites.

## University of Iowa Health Care

*Partners:* UI College of Medicine
University of Iowa Hospitals and Clinics
AmericasDoctor.com
*Type:* Technical Assistance & Information
*Web Site:* www.uihealthcare.com/

University of Iowa Health Care is the new name for the partnership between the University of Iowa College of Medicine and the University of Iowa Hospitals and Clinics. The new name reflects the mission and the combined efforts between the College of Medicine and the University Hospitals and Clinics to bring together excellence in medical research, education, and the delivery of care to patients with a goal of enhancing the health of all Iowans.

## Virtual Hospital

*Partners:* University of Iowa
University of Iowa Hospitals and Clinics
University of Iowa Health Care
Mosby Year-Book, Inc.
National Library of Medicine
Apple Computer, Inc.
Hardin Library for the Health Sciences
*Type:* Technical Assistance & Information
*Audience:* Health care providers
Patients
*Web Site:* www.vh.org/

The Virtual Hospital digital library contains hundreds of books and brochures for health care providers and patients. The digital library also delivers Continuing Education (CE) to health care providers' offices and homes in a clinically relevant context at their convenience.

# APPENDIX A

## BOARD OF REGENTS, STATE OF IOWA AND REGENT INSTITUTIONS

### BACKGROUND

The Board of Regents, originally named the State Board of Education, was created in 1909 to coordinate and govern the three state institutions of higher education.

> The University of Iowa was established in 1847 as the first public institution of higher education in the state and was located in Iowa City.
>
> Iowa State University was founded in 1858 as one of the first land-grant universities in the nation, with an emphasis in science, agriculture, mechanical arts (now engineering) and extension services.
>
> The University of Northern Iowa opened in 1876 as the Iowa State Normal School for the purpose of training teachers for the "common schools of the state".

Prior to 1909, separate boards governed these three institutions of higher learning. Accounts of the time indicate that conflicts between the three schools led to the decision by the state legislature to combine governance of the three institutions under one board.

The Iowa Braille and Sight Saving School (IBSSS) was founded in 1852 as a private school in Keokuk. Within a year, it was established by the General Assembly as a public school and relocated to Iowa City. In 1862, with community as well as private contributions, the General Assembly moved the school to Vinton. In 1911, the School was placed under the governance of the Board of Regents.

The Iowa School for the Deaf (ISD) was established in 1855, near Iowa City, and in 1870, was relocated to Council Bluffs. The School came under governance of the Board of Regents in 1917.

### STATUTORY RESPONSIBILITIES OF THE BOARD

- Iowa Code Chapter 262, with related statutory provisions in Chapter 262A through 270.
- Iowa Code § 262.7 provides fundamental governance authority: "The state board of regents shall govern the following institutions:
  1. The State University of Iowa.
  2. The Iowa State University of Science and Technology, including the Agricultural Experiment Station.
  3. The University of Northern Iowa.
  4. The Iowa Braille and Sight Saving School.
  5. The State School for the Deaf.
  6. The Oakdale campus.
  7. The state hospital-school.

- Iowa Code Chapter 262 establishes many of the Board's powers and duties. Examples include:

  262.9(3): "Make rules for admission to and for the government of said institutions, not inconsistent with law."

  262.9(4): "Manage and control the property, both real and personal, belonging to the institutions."

  262.9(9): "Direct the expenditure of all appropriations made to said institutions, and of any other moneys belonging thereto..."

  262.9(19): "Adopt policies and procedures for the use of telecommunications as an instructional tool at its institutions."

  262.9(23): "Develop a policy and adopt rules relating to the establishment of tuition rates which provide a predictable basis for assessing and anticipating changes in tuition rates."

  262.35: "Exercise full control and complete management over [such] dormitories."

**THE BOARD'S ROLE: GOVERNANCE AND COORDINATION**

Iowa law provides the Board of Regents with responsibility for both governance and coordination of the Regent institutions.

**Governance**

Numerous responsibilities for governance, management, and oversight are set forth in Chapters 262-270. Examples: "The Board shall"

"Govern" the institutions.

"Manage and control property."

"Make rules" for admissions.

"Direct expenditure" of all appropriations and other revenues.

"Develop policies" on tuition, telecommunications, teaching proficiency of teaching assistants.

"Exercise full control and complete management (of) dormitories."

**Coordination**

As a component of its governance responsibility and the statutory authority to perform "other acts necessary and proper" for execution of its statutory powers and duties [§262.9(12)], the Board also coordinates activities and initiatives of the Regent institutions. Examples:

Legislative requests
Administrative rules
Data collection for state and national reports

**MEANS BY WHICH BOARD EXERCISES GOVERNANCE**

Regular Meetings and Agenda Items

Academic Program Approval and Review

Annual Governance Reports

Strategic Planning

Budget Preparation, Approval and Oversight

Financial Management and Business Operations:
Policies and Oversight

Institutional Systems Policies and Oversight — for example:
- Personnel
- Purchasing
- Residence Halls

Appointment of Institutional Presidents and Superintendents

Advocacy of Institutional Interests and Needs

Adjudication of Disputes

ANNUAL REPORTS REVIEWED BY THE BOARD

- Governance Report on Technology Transfer and Economic Development

Appropriation language requires annual reports of the three universities on technology transfer and economic development be submitted to the executive and legislative branches of state government. The reports describe specific goals, objectives, and actions completed by the three universities and provide examples related to the strategic plan of the University and the Board.

- Report on Regent University Collaboration/Cooperation

The three Regent universities report on inter-institutional cooperation or collaboration.

- Report on Affiliated Organizations

On an annual basis, 20 affiliated organization reports are presented to the Board. Seven are affiliated with the University of Iowa, nine with Iowa State University, three with the University of Northern Iowa, and one with the Iowa School for the Deaf. Each university has an alumni association, a university foundation, and a research foundation. The other affiliated organizations focus on more specific areas that tie with the institution's mission (i.e. Oakdale Research Park Corporation at SUI and Agricultural Foundation and Iowa 4-H Foundation at ISU). Table I of this docket memorandum has a comprehensive list of affiliated organizations by institution.

**STRATEGIC PLAN**
**BOARD OF REGENTS, STATE OF IOWA**

The Board and each Regent institution have developed a five-year strategic plan, with specific indicators to measure progress. Each plan is utilized to develop budget priorities and institutional initiatives.

In their plans, institutions have identified goals (or key result areas), with objectives and strategies. An important component of the planning process is the Board's regular review of these institutional reports.

**Mission Statement**

The Board of Regents will be an exemplary model of governance and stewardship of resources of Regent institutions.

The Board establishes, coordinates, and advances the individual mission and vision of each Regent institution and strives to meet the educational needs of Iowans in concert with Iowa's other educational institutions.

The Board has the responsibility for assuring effective relations with the various external constituencies of the Board of Regents and the long-term development of the capacity of the Regent institutions to achieve their missions.

The Board challenges its institutions to become the best enterprise, of public education in the United States through the unique teaching, research, and outreach programs established for each university and school.

**Vision Statement**

The Board of Regents expects its enterprise of public higher education to become the best in the United States.

The Board of Regents 'will be seen as the nation's higher education leader in developing the best-educated state in the nation, in creating new knowledge that demonstrable improves the quality of life for Iowans, and in employing the resources of the Regent institutions to serve the needs of Iowa and the world.

**Key Result Areas (Goals)**

- Quality
- Access
- Diversity
- Accountability

Each Key Result Area includes objectives, strategies, and action steps. Each action step identifies who is responsible for the task, starting and completion dates, and guidelines for completion.

Progress Reports: Annually in November and December.

Performance Indicators: Established to measure progress in selected areas.

**U.S. Department of Education**
*Office of Educational Research and Improvement (OERI)*
*National Library of Education (NLE)*
*Educational Resources Information Center (ERIC)*

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